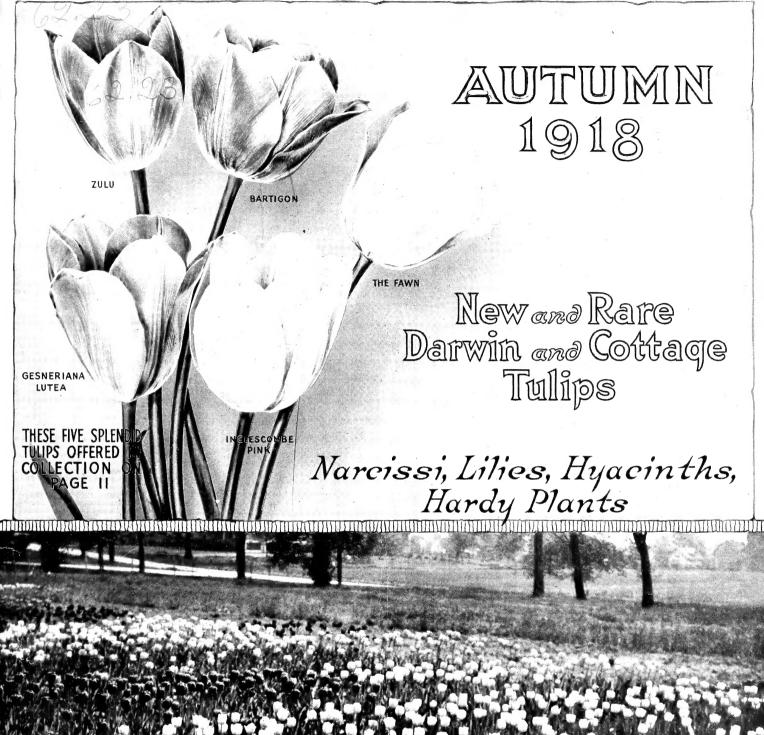
# Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.







HANS SEED STORE RANDOLPH St.

Spring Flowering Bulbs For Autumn Planting

LATE-FLOWERING TULIPS AMONG THE PEONIES

HERE are some garden lovers who seldom look upon Autumn as planting time, and we (whose offerings of plants, bulbs and seeds cover the entire range of horticulture) sometimes find it difficult to impress upon our customers the importance of Autumn planting, particularly the large and numerous classes of Spring flowering Bulbs, which cannot be planted at any other time with success. When planted in the Fall these bulbs produce in the Spring a brilliant succession of flowers from the earliest crocuses to the late flowering tulips, which bloom almost with the peonies. All of course, have their special purpose and charm but the Cottage and Darwin Tulips and various Narcissi win most favor.

Through the generous support of our many friends (both amateur and professional) we have been enabled to offer the latest British and Continental Novelties that show special improvements and new departures from the older kinds. This year, we are confronted with unusual over-seas shipping difficulties but assured (Aug. 8th.) that Dutch Cargo Steamers will come. Freights, Marine and war risks are double usual costs; on late bulb orders, prices may advance.

### When ordering, please follow these Instructions and Suggestions

When to Order Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheets accompanying this catalog. One order sheet is for seeds, bulbs and sundries (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for plants, shrubs and trees only. Don't put plants and trees on the same order sheet with bulbs and seeds.

Important Write your name, postoffice, state and express office write to us. Give plainly with black ink, on every order, and every time you given, we route the same at buyers' risk.

Quantity, Size, Price Always give the quantity required of bulbs, plants or trees, mentioning size where different sizes are offered, and carry out the price of each item.

Keep a Copy of Your Order Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with goods or notice sent.

Mistakes These will happen in spite of all care. Write us at once with copy

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form) odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits.

Time of Scanding Not all fall bulbs are ready at the same time, but

Time of Sending Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: September 1-Lilium Candidum, Roman Hyacinths, Lilium Harrisii, Freesias, Peonies. September 15—Hyacinths, Daffodils and Narcissi, Tulips and other Dutch bulbs, Callas. October 20—Full supply of Lilies, Chinese Narcissus, Dahlias and Gladiolus. November 10.—Spiraea and Lily of the Valley, new crop Tuberoses. Perennial Plants, September 15 until frost; Trees and Shrubs and all nursery stock, October 1st until frost.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D. How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility
It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We wish it understood that our stocks are sold under the following general non-warranty:

general non-warranty:

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated.

PARCEL POST Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CH!CAGO.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof Second Zone within 50 to 150 miles of either.  Third Zone within 150 to 300 miles.  Fourth Zone within 300 to 600 miles.  Fifth Zone within 600 to 1000 miles.  Sixth Zone within 1000 to 1400 miles.  Seventh Zone within 1400 to 1800 miles.  Eighth Zone all over 1800 miles and Canada.	5c. 5c. 6c. 7c. 8c. 9c. 11c.	1c. 1c. 2c. 4c. 6c. 8c. 10c.

-Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c.); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money

Copyright 1918 by Vaughan's Seed Store.



## ULBS For Natural Effects

For planting in woodlands, meadows and along streams, these fall-planted bulbs are coming into favor more rapidly every year as their merit becomes better known. These bulbs, especially daffodils when planted in clumps in a sheltered, sunny spot, will produce a mass of color in the early spring, when the rest of nature is asleep. When once planted, they remain for years, the clumps increasing in size and vigor.

Daffodils in long irregular lines along streams, or by the edge of the woodland are extremely effective, but if several varieties are planted they should be kept separate, so that each group will give its fullest display, as all varieties do not flower at exactly the same time. Nearly all bulbs for naturalizing are quite inexpensive, and the annual benefit derived from them for a small outlay is good reason for planting in large quantities.

Below we give some suggestions for planting.

For descriptions of these Bulbs we refer you to pages two to twenty-three of this Catalogue.

(The proper depths at which various bulbs should be planted are given on next page.)

### For Meadows and Along Streams

Per 100	Per 1000
Crocus, Named Varieties \$2.00	\$17.00
<b>Crocus, Mixed Colors</b>	11.00
Narcissus, Single Poeticus	15.00
Narcissus, Barri Conspicuus 2.60	24.00
Narcissus, Incomparabilis Autocrat	<b>27</b> . 00
Narcissus, Incomparabilis Cynosure 2.60	24.00
Narcissus, Leedsii, Mrs. Langtry	24.00
Narcissus, Large Trumpet Golden Spur 4.00	35.00
Narcissus, Large Trumpet Princeps Maximus 2.60	24.00
Narcissus, Large Trumpet Empress (Bicolor) 3.75	32.00
Narcissus, Double Von Sion, Fancy 4.00	38.00
Tulips, May Flowering, Vaughan's Special Mixed. 3.25	30.00
Tulips, Darwin, Vaughan's Special Mixed 2.60	24.00

### **Tulips for Perennial Borders**

We strongly recommend the planting of Darwin and Cottage Tulips in clumps and masses among hardy plants, All are perfectly hardy, and there is nothing to equal them for color and grace, standing boldly over the green foliage of the growing perennial plants in May. In our collections of these, will be found every imaginable shade, and for cutting they are invaluable, particularly in Darwin Varieties. We make a very special offer on page 9.

Select varieties that will harmonize in color, and spade over the plots in the border before planting, adding a couple of handfuls of bonemeal to each square yard, then plant the bulbs 6 inches apart and from 4 to 5 inches deep. Don't mix the colors indiscriminately (this spoils their full effect) but plant each kind separately. A dozen or so of a, sort will give a good showing in small gardens, while the larger borders will accommodate from 100 to 250 bulbs of a kind. The Dwarf Phlox Divaricata is an excellent companion to the Lavender and Purple shades, while Phlox Subulata Rosea and P. Amoena Rosea make suitable carpeting for the Red and Pink shades. Alyssum saxatile can be used to advantage with the yellow and red Cottage Tulips.

### Planting in Grass

In planting bulbs in grass a circular hole about 5 or 6 inches deep should be made with a bulb planter or small trowel. The former is preferable, and description and price of same will be found on next page. If the soil is poor, some prepared compost containing a fair proportion of bone meal should be placed under and over the bulb, and the sod replaced on top.

### For Woodland Planting

Per 100	Per 1000
Crocus, Named Varieties\$2.00	\$17.00
Crocus, Mixed Colors	11.00
Eranthis Hyemalis (Winter Aconite) 1.85	16.00
Lily of the Valley (clumps) per doz \$4.0035.00	
Lilium Candidum (First Size)	
Narcissus, Princeps Maximus	24.00
Narcissus, Empress	32.00
Narcissus, Cynosure	24.00
Narcissus, Sir Watkin	30.00
Narcissus, Barri Conspicuus	24.00
Narcissus, Leedsii, Mrs. Langtry	.34.00
Scilla Siberica, Select	13.00
Scilla Campanulata, White	15.00
Scilla Campanulata, Blue	15.00
Scilla Campanulata, Rose	17.00
Trillium Grandiflorum	45.00

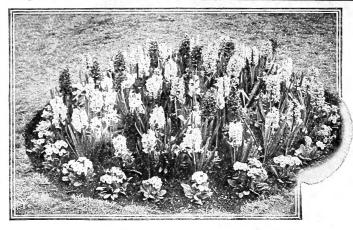
### For Planting on the Lawn

Bulbs may be planted in clumps or lines on the lawn, adding a tone of brightness to what might be otherwise a barren patch. All being early flowers, they are quite over before the grass will require first mowing, and will not interfere with this work.

	Per 100	Per 1000
Crocus, Named Varieties	\$2.00	\$17.00
Crocus, Mixed Colors		11.00
Chionodoxa Lucillae	1.75	15.00
Chionodoxa Sardensis	1.80	16.00
Grape Hyacinths, White	1.50	11.50
Grape Hyacinths, Blue	1.40	10.50
Grape Hyacinths, Feathered	1.75	15.00
Narcissus, Poeticus Ornatus	1.75	15.00
Narcissus, Barri Conspicuus		24.00
Narcissus, Golden Spur	4.00	35.00
Narcissus, Princeps Maximus	2.60	24.00
Narcissus, Double Von Sion (Fancy)		38.00
Scilla Siberica, Select	1.50	13.00
Scilla Campanulata, White	1.75	15.00
Scilla Campanulata, Blue	1.75	15.00
Scilla Campanulata, Rose	1.85	17.00
Snowdrops, Single	1.80	16.00
Snowdrops, Double	2.25	20.00



DAFFODILS NATURALIZED IN GRASS



### Vaughan's Hyacinth Beds

These prices are for our Fancy "Bedding Grade" Bulbs which give large and satisfactory spikes. If first size named kinds are required please remit double the price.

- No. 1. Round Bed. 5 ft. diam. 100 Bulbs in four varieties. Fancy Bedding Grade. Price, \$8.00.
- No. 2. Square Bed. 6 ft. sides. 200 Bulbs in three varieties. Fancy Bedding Grade. Price, \$5.00.
- No. 3. Oblong Bed. 6 ft. x 3 ft. 60 Bulbs in 2 colors. Fancy Bedding Grade. Price, \$5.00.

#### Early Tulips—Single Varieties

The following quantities are for **Round Beds** 6 ft. in diameter. Bulbs planted 4 inches apart.

- No. 4. 150 Belle Alliance, scarlet (center); 120 Chrysolora, yellow (outside). Price, \$9.50.
- No. 5. 150 Cottage Maid, pink (center); 120 Thomas Moore, orange (outside). Price, \$7.00.
- No. 6. 150 Keizerkroon, red and yellow (center); 120 Chrysolora, yellow (outside). Price, \$9.00.



### Bulb Planter

Specially designed for planting Daffodils and other bulbs in grass. This tool cuts and lifts a clean circular piece of turf which is released from the cup when the second hole is made, and lies ready at hand to fill in the holes when the bulbs have been put in, it being only necessary to remove a little of the soil from the bottom of the sool. A time must be chosen for planting when the ground has become softened after early autumn rains and not when in a hard and baked condition, as it is then impossible to use this or indeed any other tool with success. Each (in Chicago) \$3.75; (in New York) \$3.50.

BULB

PLANTER

### Bulb Dibber

Specially designed for dibbling bulbs into borders, etc.; steel shod, with strong iron thread and cross wooden handle; a good strong heavy tool, weight about 6¾ lbs., length 36 inches over all. Each (in Chicago) \$3.75; (in New York) \$3.50.



#### WITH EFFECTIVE COLOR SCHEMES

In order to assist those of our customers who are not familiar with the arranging of beds, we offer the following collections. We, of course, take special care to select only such varieties as will flower at the same time and be of the proper height. Many brilliant color effects can be produced from Tulips that are impossible to secure with other plants. We shall be pleased to advise our customers with regard to other shapes and designs of beds that they may have, advising number of bulbs required.

Prices quoted are for shipment by express at purchaser's expense.

In the accompanying photos the **Primroses** at edge of beds are planted in the early Spring as the bulbs come through.

The White Arabis and Forget-me-nots in between are planted in the Fall with the bulbs.

#### Early Tulips—Double Varieties

- No. 7. 150 Imperator Rubrorum. scarlet (center); 120 Murillo, pinkish white, (outside). Price, \$10.00.
- No. 8. 150 Brimstone Beauty, yellow (center); 120 Rubra Maxima, scarlet (outside). Price, \$12.00.

### Darwin and Cottage Tulips

Here are some suggestions for color schemes that are effective to use, when planting these bulbs in borders, shrubberies or beds. For heights and descriptions see general lists. **D**—Darwin; **C**—Cottage.

Mrs. Moon (C) yellow......La Merveille (C) flame
Ges. Lutea Pallida (C) pale yellow. Emerald Gem (C) shrimp red
The Sultan (D) maroon.....Bouton d'Or (C) golden yellow
Dream (D) lavender blue.....The Fawn (C) grayish fawn

-A Grand Combination-

for Oval Bed, 5 Ft. x 10 Ft. Price
CENTER, 24 Mrs. Moon (C) yellow for Bed
MIDDLE (1 row) 12 Dielytra Spectabilis, 1 ft. apart \$6.00
OUTSIDE (3 rows) 100 Bouton d'Or (C) golden yellow (not prepaid)
Quantities can be arranged for beds of other shapes and sizes.

### Number of Bulbs required for Circular Beds

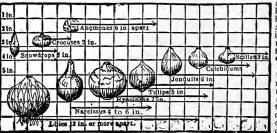
Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 feet	127	95	37	
4 feet	217	127	61	37
5 feet	331	225	91	69
6 feet		271	127	78
7 feet		410	169	96
8 feet		469	217	127
9 feet	1027	650	271	156
10 feet	1261	721	331	190
11 feet		940	397	240
12 feet	1801	1027	469	271

Fertilizers for Bulbs

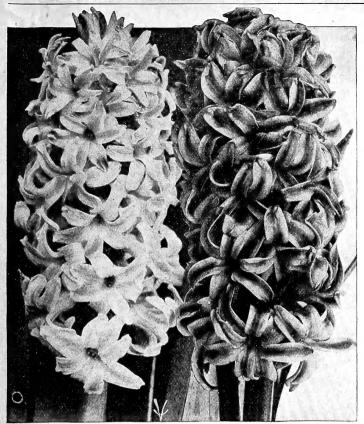
Successful growers of such Bulbs as Tulips, Daffodils, Hyacinths, etc., have found by an expensive and disappointing experience that the ammonia of fresh stable manure is absolutely fatal to bulbs. If stable manure is used it should be at least 6 or 8 months old, and dug in well underneath the bulbs. The safest fertilizer for all bulbs is Bone Meal, applied at the rate of 500 lbs. to the acre or 2 oz. to a square yard.

#### Depth at Which Bulbs Should be Planted

Many of our customers are frequently puzzled to know the proper depth and distance



apart at which bulbs should be planted. The accompanying diagram, reproduced from Popular Gardening, conveys the information much more clearly and briefly than we could describe it. The chart will bear careful study.



VAUGHAN'S EXHIBITION HYACINTHS

# Vaughan's Hyacinths

CULTURAL DIRECTIONS

HYACINTHS IN POTS.—It is important in the pot culture of Hyacinths to have rich, light soil. If the bulbs are to be potted singly, 5-inch pots are the proper size. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss, which will keep the soil from clogging the drainage thus provided. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering and set away in a cool place, covering them with about 3 to 5-inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as required.

HYACINTHS IN GLASSES.—The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. If the water in the glass becomes foul or diminished, replace it with fresh water.

GARDEN CULTURE.—Bulbs may be planted from September to December, in any good, well drained garden soil, which has previously been well enriched and dug from 12 to 18 inches. The beds should be raised several inches above the surrounding ground, to prevent lodgments of water which causes bulbs to rot. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the bed with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

NOTE .- Numbers preceding the names indicate the time of flowering: the 1's flowering together and are early, while the 4's are latest.

Price, each, includes postage. Mailing weight, dozen 3 lbs. Add postage for each dozen as per rates on inside front cover.

## **Exhibition Hyacinths**

#### MONSTER BULBS

We import these bulbs specially for those who wish to grow these extra fancy varieties either for Exhibition or other special purposes.

We have arranged this year with one of our Dutch growers to select the very finest and largest bulbs he has, not of any variety, but of special kinds of superior quality, that will give huge spikes in some of the choicest colors obtainable. They are all single flowered kinds in the following colors.

Red, Pink, White, Blush white, Light and Dark Blue, and Yellow.

Each variety will be carefully packed and named.

NOTE.—Plant in pots, ornamental bowls, or pans; or grow in water in Hyacinth glasses. Not suitable for outdoor cultivation.

Price, each 30c; per doz. \$3.25; per 100 \$25.00.

## Hyacinths

FIRST SIZE BULBS—NAMED VARIETIES

### Single Red and Rose

Ea	ch I	Doz.	100
4 Cardinal Wiseman, dark pink\$0.	14	\$1.60	\$12.00
I Garibaldi, brilliant red, early	14	1.60	12.00
	15	1.65	12.50
General de Wet, light pink	15	1.65	12.50
3 Gertrude, rose pink, medium early: extra fine	.17	1.85	14.00
	.17	1.85	14.00
B La Victoria, brilliant dark pink	17	1.85	14.00
Lady Derby, delicate pink, early forcer	.17	1.85	14.00
2 Moreno, bright pink, broad spike, early	.16	1.75	13.00
Robert Steiger, deep crimson, fine bedder	16	1.75	13.00
Roi des Belges, bright scarlet, early	15	1.65	12.50
Rosea Maxima, rose, large truss, late	16	1.75	13.00
Rose a Merveille, rose-pink	.15	1.65	12.50
Single Pure White and	Rlue	h	

#### Single Pure White and Blush

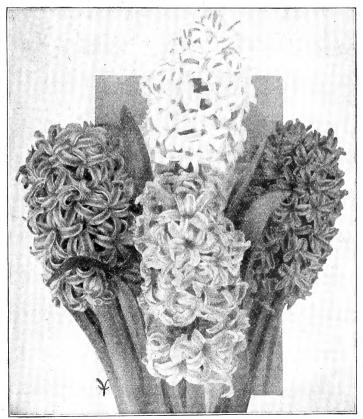
	_				
2	Albertine,	pure white, early	.14	1.60	12.00
2	Angenis Ch	ristina, pure white, early	.15	1.65	12.50
2	Blancheur	a Merveille, pure white	.16	1.75	13.00
2	General Ve	tter, blush white	.16	1.75	13.00
		Merveille, blush, late	.14	1.60	12.00
3	La Grande	sse, pure white, large bells	.17	1.85	14.00
2	L'Innocenc	ce, pure white	.17	1 85	14.00
3	Madam Va	n der Hoop, large spike, late	.15	1.65	12.00
ī	Mont Blan	c, pure white, large spike, early	.17	1.85	14.00
$\bar{2}$	Pavilion Bl	anc, pure white	.16	1.75	13.00
		ngland, pure white, fine spike	.17	1.85	14.00

### Single Blue and Purple

Captain Boyton sky blue, large spike	1.65
Competitor, light blue	1.65
Enchantress, porcelain blue	1.65
Grand Maitre, dark porcelain, medium early	1.60
Grand Lilac, early, very handsome	1.65
Johan, light blue, large bell	1.60
King of the Blues, dark, medium only	1.65
Marie, dark, large spike, medium early	1.65
Potgieter, light blue	1.75
Queen of the Blues, light, fine spike	1.75
Regulus, light blue, dark striped, early	1.65
Schotel, light blue, large spike	1.85

#### Single Yellow and Orange

2 Buff Beauty, orange yellow	.16	1.75	13.00
3 Ida. pure vellow, early	.16	1.75	13.00
4 King of the Yellows, medium early	.16	1.75	13.00
4 McMahon, pure yellow		1.85	14.00
3 Yellow Hammer	.16	1.75	13.00



VAUGHAN'S FIRST SIZE HYACINTHS (much reduced)

### Vaughan's Selected

# Double Hyacinths

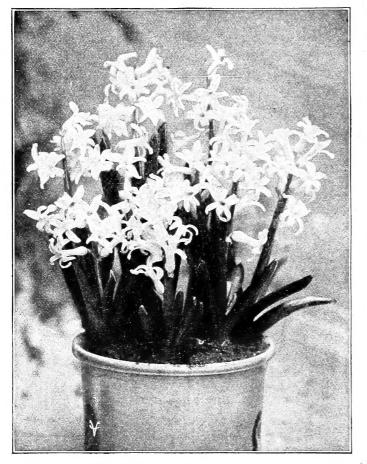
### First Size Dutch Bulbs

While grown by many, Double Hyacinths do not produce as large a spike as the single sorts, especially when grown in water, yet they are exceedingly beautiful and deserve a place in every garden and home. The varieties we offer below are known to us by actual tests at our trial grounds to be the most satisfactory kinds.

Mailing weight, dozen, 3 lbs.; the price each includes postage.

#### Double Red and Rose

Bouquet Royal. Pink; fine spike, early Bouquet Tendre. Carmine; medium early Chestnut. Bright rose Princess Louise. Deep Red President Roosevelt. Very lively pink; large spike	Each 60.15 .15 .17 .17 .16	Doz. \$1.65 1.65 1.85 1.85 1.75	\$12.50 12.50 14.00 14.00 13.00
Double Pure White and Blush	l		
La Grandesse. Splendid snow-white, the best double white La Tour d'Auvergne. Fine early, pure white. Prince Metternich. Blush white.	.16 .17 .17 .16	1.75 1.85 1.85 1.75	13.00 14.00 14.00 13.00
Double Blue, Lavender and Purp	ole		
Blocksberg. Bright porcelain-blue, shaded dark blue.  Delicate. Porcelain blue.  Garrick. Clear bright blue: large spike.  General Kohler. Best double blue; very fine for pots  Prince Saxe-Weimar. Semi-double; late; dark blue.	.16 .16 .17 .17 .17	1.75 1.75 1.85 1.85 1.85	13.00 13.00 14.00 14.00 14.00
Double Yellow			
Goethe. Orange.yellow Sunflower. Splendid deep buff-yellow	$\overset{.17}{\cdot_{17}}$	$\frac{1.85}{1.85}$	$14.00 \\ 14.00$



ROMAN HYACINTHS-Grown in Fibre

Knowlesville, N. Y.

"I write to thank you for your prompt delivery of my earlier order and to say the bulbs are very satisfactory. It is altogether a pleasure to deal with a company who does business in such a systematic and business-like way.

Many thanks."

Mrs. J. S. Pratt.



SPIKE OF DOUBLE HYACINTH

### French Roman Hyacinths

These beautiful Hyacinths are indispensable to the florist in his fall and winter cut-flower work, while to the amateur they are among the most easily cultivated and most satisfactory of flowering bulbs. The white variety, if planted early in September and slowly forced, will bloom in November. The others require from two to three weeks longer. When grown in pots and pans, they are most effective planted in groups of six or more in each. They are not hardy, and will not stand outdoors.

Mailing weight, dozen, 2 lbs.; the price each includes postage.

	Doz.	100
White, First Size	\$0.85	\$6.00
White, Select Size	1.15	8.00
White, Mammoth Size	1.35	10.00
Blue	.85	6.00
Light Pink		6.00
Dark Pink		6.00
White Italian. Red skinned	.85	6.00

### Vaughan's Rainbow Collections

FIRST SIZE, Single Named Hyacinths for Window Garden.

We have selected from the list of varieties on page 3 a few of the best of each color suitable for culture in pots and glasses, and offer them in collections at a reduction from the regular price.

Lady Derby, Pink.

Roi des Belges, Red.

Grand Maitre, Light Blue.
King of the Blues, Dark Blue.

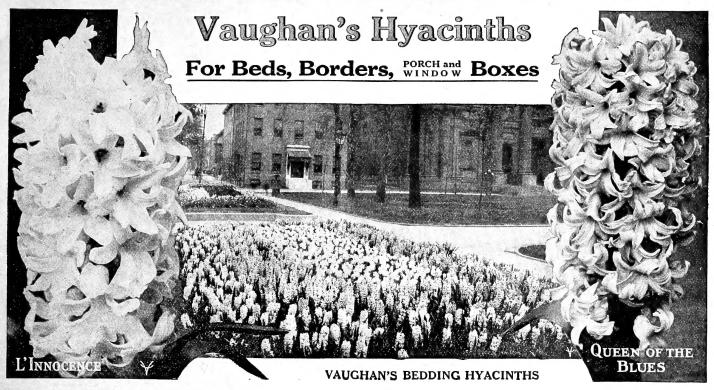
Lady Derby, Pink. Roi des Belges, Red. L'Innocence, White.

King of the Yellows, Yellow.

PREPAID PRICES-

-12 Bulbs, two of each variety....-24 Bulbs, four of each variety...-36 Bulbs, six of each variety....-

Parcel Post rates are given on inside of front cover and on order sheet.



### Named Bedding Hyacinths

THE following are selected from our first size named Hyacinths, but offered in second size bulbs. They are specially adapted for beds and pots, or where masses of distinct shades are required in bloom at the same time, to carry out an intended design. All are sound, plump bulbs that will throw good upright spikes, and are more desirable than those of 1st size bulbs, that have to be supported with stakes. Mailing weight, dozen, 2 lbs. Cinala Dinla

	Single Pink	Each	Per Doz.	Per 100
3.	Gertrude, Rose pink		\$1.25	\$9.00
2.	Gigantea, Light pink	.12	1.25	9.00
2.	Moreno, Bright pink	.13	1.35	10.00
4.	With end, Dright pink	.10	1.00	10.00
	Single Red			
3.	Robert Steiger, Crimson	.12	1.25	9.00
3.	Roi des Belges, Scarlet	.12	1.25	9.00
1	Cinala White and D	11	_	
	Single White and B	iusi	$\mathbf{n}$	
2.	Albertine, Pure white	.11	1.15	8.00
3.	La Grandesse, Pure white	.12	1.25	9.00
3.	L'Innocence, Pure white	$.1\bar{3}$	1.35	10.00
3.	Madame Van der Hoop, Pure white	.11	1.15	8.00
2.	Grandeur a Merveille, Blush white	.12	1.25	9.00
W.	Single Blue			
_			4.0*	10.00
2.	Grand Maitre, Dark porcelain	.13	1.35	10.00
2.	Johan, Light blue	.12	1.25	9.00
4.	King of the Blues, Dark blue	.12	1.25	9.00
4.	Queen of the Blues, Light blue	.12	1.25	9.00
1.	Regulus, Light blue, striped	.11	1.15	8.00
	Single Yellow	-		
4.	King of the Yellows	.13	1.35	10.00
3.	Yellow Hammer	.13	1.35	10.00
	"Fancy" un-named H	yaci	inths	

THIS is a grade of Mixed Hyacinths which we annually import, paying the This is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 18 centimeters in size, are plump and sound, selected from the best named varieties. We offer in separate colors, each color being made up from varieties of about the same shade, and will produce spikes very even in height and size. To those who do not wish to pay the highest price for best named Hyacinths, we especially recommend this grade both for pots and outdoors.

Blue, all shadesLight Blue	\		
Light Blue	Mailing weight,	dozen, 2 Ibs.	price, each
Red and Rose	includes postage,		
Rose		Per 100	Per 1000
Pure White		\$7.00	\$65.00
White, all shades			
Yellow	We offer these fa	ncy mixed bu	lbs in singles
Mixed All Colors	only, these being m	nuch more desi	rable.

### "Medium" un-named Hyacinths

Single or Double Varieties Separate Colors GOOD size flowering bulbs 15 centimeters (5% in.) and upward circumference, much larger than the Mixed Hyacinth bulbs usually sent out. They are well adapted for open ground planting in mixed borders and informal beds, and on account of their low price, are extensively forced for winter-blooming and cutting. Mailing weight, dozen, 2 lbs.; price, each, includes postage.

Blue, all shades..... Red and Rose..... Per Doz. Per 100 Per 1000 Rose..... \$0.90 \$60.00 Pure White..... \$6.50 White, all shades..... Please mention whether Single or Double varieties are desired. Mixed, All Colors.....

### **Dutch Roman or Miniature Hyacinths**

SPLENDID for growing in pots, pans or boxes. Bulbs being selected from named varieties are fully matured. Although naturally small in size, they give very large spikes of bloom, considering the size of bulb, and are invaluable for forcing, being specially cultivated for this purpose. Five or six bulbs, planted in eight-inch pan, make a splendid show.

Mailing weight, dozen, 2 lbs.; price, each, includes postage.

### Single Red and Rose

Moreno, Pink..... Gertrude, Clear rose..... Gigantea, Blush pink..... Single White These are not recommended for outdoor Albertine, Pure white... planting. La Grandesse, Snow white..... L'Innocence, Purest white. Doz

### Single Blue

\$0.55

\$4.00

Mme. Van der Hoop, Purest white, large...

### Hyacinth Glasses

We offer two styles of these glasses for growing Hyacinths in water. Belgian, and Tye Shape. (See notes on page 3 regarding

#### PRICES

Belgian, Tall...each, 35c; Doz., \$3.50 Tye Shape, . . . . each, 35c; Doz., \$3.75

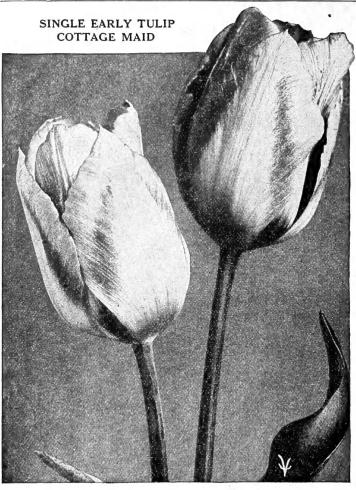


1000

\$37.50

Parcel Post rates are given on inside of front cover, and on order sheet.

BELGIAN



## Single Early Tulips

#### For Garden Beds and Borders, Pots and Forcing

TO FLOWERS give such a lasting and brilliant effect during the spring months for so little cost and trouble. as Tulins.

Starting with the Early Single varieties listed hereunder and followed by the glorious Darwin and Cottage Tulips mentioned a few pages further on, an extended flowering season is carried on during April and May; and such colors! from the extremes of deep crimson, brilliant scarlet, yellow and white, every intermediate shade and blending is included in these grand flowers, giving plenty of material for contrasts and favorite color schemes.

Planting: Do not use fresh table manure at any time, either in the soil or as a mulch, or you will have no flowers. Treat otherwise the same as Hyacinths described previously. Plant four to six inches apart and four inches deep. Dig Bone Meal into the beds or borders before planting, about two handfuls to the square yard. When the beds or borders are made, have them raised 4 to 6 inches above the adjacent walk or lawn, this insures proper drainage and prevents lodgements of water around the bulbs, and subsequent rotting. Thoroughly rotted manure (if procurable) may be placed under the bulbs either in beds or pots, but it should not come in contact with them. For pot culture use the same compost as for Hyacinths. Put five or six bulbs in a six inch pot or pan. This is generally the quantity to use.

Summer Homes in Spring
We sometimes wonder how some flower lovers are content to let their gardens go unadorned from Nov. until May or June while waiting for the time to put out summer plants. We have in mind chiefly, those who close up their summer homes in the fall and allow the gardens to become weedy wastes during the early spring months when they could be made so attractive by planting in October a few Tulips for spring bloom. Even if their beauty will not be enjoyed by the owner is it not more gratifying to have them seen and admired by others, and what is more, such adornments illustrate, to an extent, the character and tastes of the owner.

Explanatory: The number preceding the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late. The Duc Van Thol Tulips should be used for pots only.

Parcel Post: 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates on inside of front cover.

### Single Scarlet and Crimson

	Doz.	100	1000
7b	Artus, a splendid deep scarlet\$0.45	\$3.00	\$25.00
8b	Belle Alliance, brilliant scarlet	3.50	32.00
8a	Brilliant Star, bright glowing scarlet;		
	very early	8.50	80.00
8a	Couleur Cardinal, crimson	6.00	55.00

Single	Scarlet and	d	Crimson—Continued

	7	100	
7b	Cramoisi Brilliant, bright scarlet50	$\frac{100}{3.50}$	30.00
7b	Crimson King, good crimson	3.00	25.00
6a	Duc Van Thol, Scarlet / For note only \$0.45	\$3.00	\$25.00
6a	Duc Van Thol, Scarlet   For pots only   \$0.45 Duc Van Thol, Crimson   45	3.00	25.00
7a	Dusart, dark red	3.25	27.00
14b	Grace Darling, orange-scarlet	5.00	45.00
12a	Maes, rich scarlet, fine bedder	4.00	38.00
8a	Pottebakker Scarlet, bright scarlet50	3.50	30.00
12a	Sir Thomas Lipton, rich crimson-scarlet .75	5.00	47.50
7b	Vermillion Brilliant, dazzling ver-		
	million-scarlet, fine for pots	6.00	55.00
	Single Pink and Rose	1	
12b	Admiral Reynierse, bright rose-pink 1.15 American Lac (See Cottage Tulins)	8.00	75.00

	ridilitat recytiterse, bright rose-plik	TITU	0.00	10.00
	American Lac (See Cottage Tulips)			
	Cottage Maid, pink, striped white		3.25	27.00
6a	Duc Van Thol, Rose, for pots only	.45	3.00	25.00
8a	Flamingo, carmine-rose and white	1.15	8.00	75.00
.2b	La Riante, deep rose, tipped rose	.70	4.75	42.00
8b	Mme. Frylink, very fine pink	.85	6.00	55.00
.0a	Queen of the Netherlands, pale pink	.45	3.00	25.00
$^{2b}$	Pink Beauty, bright rose pink shading to			

12b	Pink Beauty, bright rose pink shading to			
	blush-white	.75	5.00	45.00
12a	Princess Wilhelmina, deep rosy red,			
	flushed white	.50	3.50	32.00
9a	Proserpine, glossy pink, early	.75	5.50	50.00
7b	Rose Gris de Lin, delicate rose, flushed			
	white	.45	3.00	27.00
8b	Rose La Reine, deep rose and white	.75	5.00	45.00
7b	Rose Luisante, brilliant deep pink	.75	5.00	45.00

30.00

27.00

3.50

### Single White

Rosamundi, rose, shaded white.....

Vaughan's New Pink, pink, shaded white

6a	Duc Van Thol, White, for pots only	.45	3.00	25.00
8a	L'Immaculee, pure white	.45	3.00	25.00
8b	La Reine, white, shaded rose	.50	3.25	27.50
9a	Pottebakker White, pure white	.60	4.00	35.00
10a	Princess Helena, pure white	.50	3.50	32.00
8a	Princess Marie Anne, white, shaded rose	.45	3.00	27.00
10a	Queen of the Whites, pure white	.50	3.50	30.00
12b	Snowflake, snow-white	.75	5.00	45.00
8b	Von Vondel, pure white, splendid	.75	5.00	45.00
15b	White Swan, pure white	.50	3.50	30.00
79	White Hawk white very fine	60	4.00	35.00

### Single Yellow

8b	Chrysolora, golden-yellow; fine bedder	.60	4.00	35.00
10b	Fred Moore, deep orange, edged yellow	.45	3.00	25.00
7a	Gold Finch, pure yellow, sweet scented	.60	4.00	35.00
12b	Golden Lion, yellow and terra-cotta	.85	6.00	55.00
12b	Golden Queen, beautiful golden-yellow	.75	5.00	45.00
7a	Mon Tresor, pure yellow; large cup	.75	5.00	45.00
8a	Pottebakker Yellow; fine for bedding	.60	4.00	35.00
12a	Prince de Ligny, golden-yellow	.45	3.00	27.00
8a	Yellow Prince, golden yellow; fine forcer	.45	3.00	27.00

#### Striped, Margined or Otherwise Colored

11b	Cerise Gris de Lin, mauve, edged white	.85	6.00	55.00
12b	Cottage Boy, orange-red, bordered yellow	.45	3.00	27.00
9b	Duchesse de Parma, orange-scarlet,			
	yellow edge	.45	3.00	27.00
6a	Duc de Berlin, clear scarlet, edged yellow	.65	4.00	35.00
6a	Duc Van Thol, Red and Yellow; very			
	early, for pots only	.45	3.00	25.00
10b	Grand Duke, red with distinct wide			
	golden border, one of the finest	.50	3.50	30.00
	Keizerkroon—see Grand Duke.			
8a	Prince of Austria, orange-vermillion;			
	large flower	.50	3.50	30.00
8b	President Lincoln, light violet	.55	3.75	33.00
7b	Thomas Moore, apricot-orange	.45	3.00	25.00
7b	Van der Neer, violet-purple	.85	6.00	55.00
12b	Van Vondel, deep cherry-red, feathered			
	white	.50	3.50	30.00
7b	Wouverman, dark violet	.75	5.00	45.00

Parcel Post rates are given on inside of front cover and on order sheet,



DOUBLE TULIP LA CANDEUR

#### For Bedding Only Our Selection Single Named Tulips

These are made up frum varieties of same height and which bloom at the same period. To be recommended for bedding where the amount to be expended is limited.

White, Yellow, Red, Pink, Variegated. Price, dozen, 45c; 100, \$3.00; 1000, \$26.00.

### Vaughan's Mixtures of Single Tulips

VAUGHAN'S SPECIAL MIXTURE. We make up this mixture ourselves from best sorts, correctly proportioned as to colors and height, and time af blooming. Per doz. 45c; per 100, \$3.00; per 1000, \$25.00.

EXTRA FINE SINGLE MIXED.

Per doz. 40c; per 100, \$2.65; per 1000, \$23.00.

FINE SINGLE MIXED. Per doz. 35c; per 100, \$2.50; per 1000, \$20.00.

## Vaughan's Double Early Tulips

35.00

WHAT we have said in the beginning about Single Tulips applies also to the Double Tulips with their mammoth peony-like flowers of brilliant and beautifully diversified colors. They are very effective in beds on lawns and terraces. The flowers last much longer in bloom than the single varieties, and consequently, when single and double are planted in one bed, the time of flowing is prolonged from two to three weeks. The early sorts do very well when grown in pots for winter blooming, but they must be forced more slowly than the Single Tulips.

Explanatory. The number preceding the name of the variety denotes the height in inches, while the letters (2) and (b) indicate their earliness of bloom—the (a's) flower together and are the earliest; the (b's) flower together but are somewhat late.

white..

are so	mewhat late.	-,		
	Double Red	Doz.	100	1000
12c	Cherry Ripe, cherry-red, with carmine rose	\$1.15	\$8.00	<b>\$7</b> 5.00
6a	Duc Van Thol, Scarlet; early	.45	3.00	27.50
9a	Imperator Rubrorum, bright scarlet	.75	4.50	40.00
12c	Le Matador, scarlet with purple glow at			
	the outside of the petal	.50	3.50	30.00
8b	Rubra Maxima, dazzling scarlet	.50	3.50	30.00
9b	Vuurbaak, bright scarlet, suffused orange	.75	4.50	40.00
	- 11		,	
	Double White			
10b	Alba Maxima, the finest double white	.50	3.50	30.00
10b	Boule de Niege, pure white	.45	3.60	27.50
10b	La Candeur, pure white, fine bedder	.50	3.25	30.00
12b	La Grandesse, blush-white	.60	3.75	32.00
7b	Rose Blanche, white; good dwarf bedder	.60	3.75	32.00
12b	Schoonoord (White Murillo), pure	.00	0.10	02.00
120	white. Extra fine.	.45	3.00	27.50
	Double Pink			
<b>1</b> 0b	Couronne des Roses, bright pink; good			
	forcer	.75	5.00	45.00
12c	Lac Von Haarlem, rosy-violet	1.00	7.00	65.00
10b	Lord Baconsfield, deep rose	.60	3.75	32.00
14b	Lucretia, deep rose.	.50	3.50	30.00
7a	Murillo (fancy), large pink, suffused	.50	0.00	30.00
3 60	white (laney), large plink, bullused	C.F	4.00	0 = 00

Salvator Rosa, beautiful rose, fine forcer.

PARCEL POST. 12 bulbs weigh 1 lb., 50, 4 lbs.; 100, 7 lbs.; add postage at Zone Rates on inside of front cover. Plant same as Single Tulips.

#### Double Yellow

	, D	oz.	100	1000
12b	Brimstone Beauty, yellow and apricot\$0	0.75	\$5.50	\$50.00
10a	Couronne d'Or (Crown of Gold),			
	beautiful rich, golden yellow	.75	5.50	50.00
12b	Golden King large pure deep yellow	1.15	8.00	75.00
7a	Tournesol Yellow, yellow, shaded orange	.75	4.50	40.00

### Double Striped or Otherwise Colored

6a	Duc Van Thol, Red and Yellow	.45	3.00	27.00
9b	Duke of York, red with white border	.45	3.00	27.00
9a	Gloria Solis, bright scarlet, yellow border	.50	3.50	30.00
9a	Rosine, white, tinged rose	.50	3.50	30.00
8b	Titan, scarlet, edged yellow	.65	4.50	40.00
8a	Tournesol, Red and Yellow, very showy	.75	5.00	42.50

### Double Named Tulips

These make a fine effect where a solid color is desired, and their cost is not so much as the listed varieties; we are sure our customers will be pleased with results.

White, Pink, Red	1	Per Doz.	Per 100	Per 1000
Yellow, Striped	5	\$0.50	\$3.50	\$30.00

### Vaughan's Mixtures of Double Tulips

VAUGHAN'S SPECIAL MIXTURE. This mixture we make up ourselves from the best named varieties and with such that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers of cheap sorts.

Price: Doz., 45c; per 100, \$3.25; per 1000, \$27.50.

	Doz.	100	1000
Extra Fine Double Mixed		\$3.00	\$25.00
Fine Double Mixed	.35	2.50	22.00

## LATE DARWIN and

(MAY FLOWERING)

### Darwin Varieties

THESE majestic Tulips are without a rival in spring flowers. They are truly "The Aristocrats of the Spring Garden." Their adaptability to our American climate, due to their hardiness and vigor, their stately bearing and exquisite shades, have in a few years increased their popularity to such an extent that where dozens sufficed before, they are now used by the thousands and tens of thousands.

The flowers are beautifully outlined, cup-shaped, and carried on tall stiff stems. They vary in color from almost jet black, crimson, scarlet, purple to lilac, mauve, pink and indescribable intermediate blendings and pastel shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on the next page, with such kinds as Inglescombe Yellow, Gesneriana Lutea, G. Lutea Pallida, and Bouton d'or which flower at the same time.

Darwin Tulips are excellent for beds or for planting in clumps in the perennial border, or bordering low growing shrubs and hedge rows. Flowering at a time (May) when all other spring flowers are over and before the Peonies and other early summer flowers are ready, they adequately fill a large gap in maintaining a continuous display of flowers between seasons. They are perfectly hardy, flowering with increased vigor each succeeding year.

They can also be grown in pots, and, with a little gentle heat can be flowered a few weeks earlier than their ordinary season. Those we offer here are among the best in cultivation at the present day and all have been proven at our Trial Grounds.

Planting.—The bulbs require to be planted about four or five inches deep and six inches apart in raised beds or borders so that the bulbs are above the level of adjacent lawn or walk. By Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates.

By Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates.

Baronne De La Tonnaye. (26 in.) Bright rose, margined blush Per doz. Per 100 Per 1000

rose; long, large flower, beautifully shaped..... . . \$0.50 \$30.00 Bartigon. (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color..... 5.00 45.00 Soft golden yellow-bronze. One of the Bronze Queen. (26 in.) most wonderful beauties in our collection...... 1.10 7.50 70.00 Clara Butt. (20 in.) Bright shrimp pink, paler at edges. .453.00 27.00 <u>Dream.</u> (25 in.) Pale violet changing to lavender, with lighter edge, clear blue base. Early and keeps its color. .654.5040.00 Electra. (25 in.) A fine erect flower, rosy purple with distinct pale border, and white base. . .755.50 50.00 Erguste. (24 in.) Dark heliotrope, with lavender margin. .60 3.75 32.50Keeps its color well. Good for indoors or out.....

Europe. (22 in.) Glowing salmon-scarlet, shaded rose; well formed globular flower, erect grower and lasts well. .65 4.00 35.00

REV. H. EWBANK

Farncombe Sanders. (25 in.) Fiery rose-scarlet, inside vivid cerise scarlet with white center marked blue; flowers Per doz. Per 100 perfect shape. (26 in.) Brilliant rosy scarlet with blue base Glow. (23 in.) Brilliant, glowing vermilion, white and blue base Gretchen. (23 in.) Pale flesh pink, changing to light peach pink. Large egg-shaped bloom. Vigorous and lasting.... Harry Veitch. (24 in.) Brilliant blood red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well..... L'Ingenue. (20 in.) Pale rose, shaded creamy white; inside lit up with salmon rose. A delightful delicately tinted tulip... tinted tulip.

La Tristesse (Dolores). (25 in.) Slaty mauve with silvery margin, and a violet and bronze reverse. A splendid contrast with the yellow Cottage Tulips. Per doz. 75c; per 100, \$4.50; per 1000, \$40.00. Leonardo da Vinci. (25 in.) Shining violet black, hand-some. Per doz. 75c; 100, \$5.00; 1000, \$45.00. May Queen. (24 in.) Soft lilac-rose, white center. Per doz. \$0.45; per 100, \$3.00; per 1000, \$27.00. Massachusetts. (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Early and lasts well. Per doz. \$0.50; per 100, \$3.50; per 1000, \$32.00.

Mme. Krelage. (27 in.) Very similar to Massachusetts but the central pink band is a shade lighter and blends into the paler border. Earlier than Massachusetts and tones off lighter

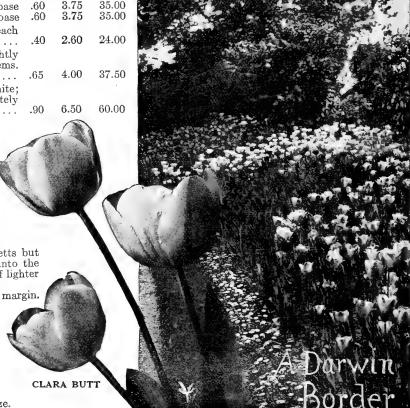
all over. Doz. \$0.50; 100, \$3.25; 1000, \$30.00.

Mrs. Cleveland. (24 n.) Pale lilac rose, with light margin. A delightful color under glass.

Per doz. \$0.50; per 100, \$3.50; per 1000, \$32.50. Mrs. Potter Palmer. (26 in.) Deep reddish-purple, with dark blue base. A striking and distinct tulip. Per doz. \$0.70; per 100, \$4.75; per 1000, \$42.00.

Mrs. Stanley. (24 in.) Rose, purplish outside and paler towards the edges; large bright blue center. Per doz. \$0.50; per 100, \$4.50; per 1000, \$40.00.

Nauticus. Glowing dark cerise, center violet, and bronze. Per doz. 45c; per 100, \$3.00; per 1,000, \$27.00.



3.50

.50

30.00

# COTTAGE TULIPS

(MAY FLOWERING)

### Darwin Varieties—Continued

PRIDE OF HAARLEM. (28 in.) Bright rose suffused with purple;	n	oz.	100	1000
an enormous flower unsurpassed for groups because of its fine color and stately habit.			\$3.25	\$30.00
PRINCESS ELIZABETH. (Syn. Julie Vinot.) (26 in.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white	;			
base. Highly recommended		.80	5.50	47.50
PROF. RAWENHOFF. (28 in.) Cherry rose with ivory white and blue base. Enormous, attractive flower		.75	- 00	45.00
		.75	5.00	45.00
PAINTED LADY. (27 in.) Creamy white, faint tinge of heliotrope				
on opening		.50	3.25	30.00
REV. H. EWBANK. (20 in.) Deep lilac toning at edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat open flower. Lasts well. The most popular				5.
	60	3.7	5 3	5.00
SIERAAD VAN FLORA. (24 in.) Bright rosy pink flower, shaded with lilac; blue base. Very effective	60	3.7	75 21	5.00
backer with mac, blue base. Yely enective	oo	0.7	0 00	1.00

UZON. (22 in.) Pale blush pink outside, rosy pink inside. Blue and white base. A distinct and desirable tulip as a companion to some of the dark shades..... THE SULTAN. (24 in.) Deep maroon-black with brownish

SUZON.

VELVET KING. (21 in.) Crimson maroon, reflecting a purplish "bloom"; deep crimson inside. Creamy white base. Rounded petals. Distinct in color andshape from Zulu. Very fine...... 2.50 16.00

WEDDING VEIL. (24 in.) Creamy white, flushed lilac, clear white base, black markings.

Doz. \$0.45; 100, \$3.00, 1000, \$27.00. WILLIAM PITT. (22 in.) Very dark

.65

4.50

3.00

40.00

27.00

WILLIAM PITT. (22 in.) Very dark scarlet, with purple shade on the outer petals; large flower. Lasts well.

Doz. \$0.60; 100, \$3.75; 1000, \$35.00.

WHITE QUEEN. (24 in.) Pale lavender tinged white, later changing to alnost pure white. Very desirable.

Doz. \$0.50; 100, \$3.25; 1000, \$30.00.

ZULU. (27 in.) Rich, velvety, purple-black; large cup-snaped flower. Keeps its color to the last Doz. \$1.00; 100, \$7.00; 1000, \$62.50.

ZANZIBAR. (4 in.) Rich, glossy maroon, center dark blue and white. Doz. \$0.75; 100, \$5.00; 1000, \$47.50.



FAIRY QUEEN (see next page)

Mixtures of Darwin Tulips 1000 Special Mixt ure, made up by ourselves from best distinct kinds....\$0.40 \$24.00 Regular Mixture, splendid value for mixed beds and cutting......

Named **Darwin Tulips** 

=Special "Liberty" Offer By special arrangement with one of our Dutch growers, who specializes in Darwin Tulips we are enabled to make the following remarkably low offers, to encourage the cultivation of these grand tulips (during wartime) in American Homes and Gardens.

All Prepaid to your door. Our Selection of Varieties.

No. 9A. 96 Bulbs. 8 named varieties, 12 of each, for \$3.00.

No. 9B. 48 Bulbs. 8 named varieties, 6 of each, for \$1.75.

No. 9D. 40 Bulbs. 'Liberty Mixture,' many kinds mixed, for \$2.00.

Note. We reserve the right to cancel the above offers if for circumstances due to War or other reasons, these bulbs should not arrive.

COTTAGE TULIP-MRS. MOON

A MIXED BORDER OF COTTAGE AND DARWIN TULIIPS

## **Cottage Tulips**

(MAY FLOWERING)

(MAY FLOWERING)

THESE Tulips rival the Darwin Class for popular favor and justify their being planted in large quantities. Every known shade is to be found, from deepest crimson, to bright red, orange, glorious yellows, pink and a host of delicate tints of yellow, pink, cream, heliotrope, etc., blended in to the most wonderful combinations that are almost impossible to describe. They differ from Darwin Tulips, in having either oval or pointed blooms, many with reflexed petals and bloom a few days later, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet scented varieties are included, such as Ges. Lutea and G. Lutea Pallida, Mrs. Moon, Columbus. There is no end of material for color schemes in this class and when massed in beds, borders, or around and among shrubs they produce wonderful effects when suitably contrasted. They will bloom in the same position in congenial soil, for two or three years without disturbing.

Planting.—Treat same as Darwins.

\*For Pots.—When grown in pots, these, like the Darwin tulips can be had in flower indoors during March and April, in a temperature not exceeding 55 degrees. If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs.; add postage at Zone rates.

American Lac—See Hobbema.



#### THE FAWN

	Doz.	100	1000
INGLESCOMBE SCARLET. (16 in.) Brilliant vermilion			
with a black base. One of the best reds	50.60	\$3.75	\$35.00
INGLESCOMBE YELLOW. (18 in.) A fine, large,			
globe-shaped flower, color, full rich yellow; sometimes called the Yellow Darwin	.60	3.75	35.00
*IXIOIDES. (18 in.) Pure lemon yellow, very distin pointed bloom similar to Ges. Lutea Pallida, but has a jet black base. When fully open resembles a giant Ixia,		10.00	05.00
from which it derives its name. Late and lasts well	1.50	10.00	95.00
*JAUNE D'OEUF. (22 in.) Outside petals rose and orange, inside bronze and yellow. Very distinct	.65	4.00	35.00
*LA MERVEILLE. (20 in.) Extra large fragrant flower, color scarlet, suffused with apricot-orange	.40	2.75	25.00
LEGHORN BONNET. (18 in.) Beautiful pale straw yellow. The broad, thick petals form a peculiar and			
distinct three-sided bud, not found in other tulips	.50	3.50	30.00
MACROSPILA. (18 in.) A glowing crimson scarlet with deep zone of black and yellow; splendid for cutting	.40	2.75	25.00
MAIDEN'S BLUSH (Picotee). (20 in.) A long-shaped	***	200,0	
flower, pure white with beautifully recurved petals, margined rose.	.45	3.00	27.50
MARJOLETTI. (14 in.) An uncommon and beautiful		-	
species from Savoy, delicate pale yellow, cerise blotch on outer edge	1.00	7.50	70.00
*MAURIANA (20 in.) Large oval blooms. Bright scarlet with gold center. A very brilliant bedder	.60	4.00	37.50
MRS. MOON. (30 in.) This is beyond doubt the finest late yellow tulip in existence: The blooms are long and			
pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders	.85	5.75	53.00
MOONLIGHT. (20 in.). Oblong blooms of delicate pale yellow. Very distinct. Plant in semi-shade	.90	6.50	60.00
*PRIMROSE BEAUTY. (14 in.) Soft primrose changing to white. Very effective planted with a red sort	.50	3.25	30.00
*PARISIAN WHITE. (14 in.) Pure white, edged silvery-	.50	3.50	32.50
pink, beautiful globe-shaped flowers	.00	0.00	52.30
yellow flowers, borne on long stems. Fine for cutting	.45	3.00	27.00
RETROFLEXA. (16 in.) This is quite a distinct and charming type. Large pale yellow flowers, with pointed		:	
petals, elegantly recurved	.50	3.25 $3.50$	30.00 30.00
*SCARLET EMPEROR. (24in.) Brilliant glowing scar-	.00	3.00	30.00
let. Flowers of gigantic size, cup shaped, with clear yellow base. (Awarded 1st-class certificate R. H. S. England)	1.50	11.00	
SWEET NANCY. (18 in.) Pure white, edges margined and penciled with pink	.45	3.00	27.50

### Cottage Tulips—Continued

$\simeq$	ottage ranps			
*BOUTON d' OR. Good for massing in	(16 in.) Round shapely blooms of the purest gold. a beds or borders and very fine for vases when cut\$	Doz. 0.40	100 \$2.75	1000 \$25.00
*CALEDONIA. (20 i	in.) Beautiful globe-shaped flower of a bright orange lanted with a deep red	.45	2.00	27.00
rich golden yellow,	a Beauty). (18 in.) Medium sized pointed blooms of feathered and splashed with intense glowing scarlet. dightful combination of color, distinct from all others.	2.10	15.00	
CLUSIANA (Lady Tamed side broadly flamed	'ulip). (12 in.) White with small crimson base, outrose, a lovely flower	.75	5.50	55.00
	Dark crimson, reflexed petals. Very early	.50	3.50	30.00
ELEGANS ALBA-(2	20 in.) White, margined rosy red	.85	6.00	55.00
edges of the pe	(Golden Spire). (18 in.) Immense pure yellow, the tals tipped and splashed with red. Almost as fine as not so tall	.85	_6.00	55.00
	. Very durable in hottest sun and distinctly per- weet Pea. A most uncommon beauty	.75	5.00	45.00
*ELLEN W	ILLMOTT. (20 in.) Long pointed bloom of pale ellow, edged golden yellow. Sweet scented	.75	5.00	46.00
tinet. On	nto a golden yellow at the edges of petals. Very dis. e of the most beautiful of all	.50	3.50	32. <b>50</b>
est yellow; disting existence for col	LUTEA. (20 in.) A very shapely bloom of the pur- netly sweet scented. One of the best yellow tulips in or and perfume	.45	3.00	27,50
earlier. A cha	CUTEA PALLIDA (Mrs. Keightley). (20 in.) A form of the preceding, highly perfumed and a little rming tulip.	.50	3.50	32.50
ings especially in co	OR (Spathulata Major). (24 in.) Rich crimson- asal blotch. One of the best of its color for large plant- mbination with yellow or white.	.45	2.75	25.00
ing to orange. A	ange Globe". (22 in.) Rich crimson-scarlet, shad- grand contrast with Gesneriana Lutea Pallida	.50	3.50	30.00
velvety crimson, wi late crimson tulips,	ARDEN (18 in.) Large egg-shaped blooms of rich th black and gold base. Pronounced the finest of Each 8c	.75	5.00	45.00
quisite shade of sa		1.25	9.00	80.00
handsome flowers.	on Bells). (15 in.) A beautiful variety with large Color primrose, flushed rose, changing to rosy-red	.40	2.75	25.00
*INGLESCOMBE P	INK. (24 in.) Beautiful clear pink with amber tinge ing pure pink. A grand tulip thatkeeps well	.40	2.75	25.0 <b>0</b>
100 1000 THE	FAWN. (20 in.) Egg-shaped bloom of yellowish			
\$3.75 \$35.00 ms	vn color, blended with pale rosy lavender and blush pink irgin. One of the prettiest of all late tulips	.50	3.50	32.00
pu pu	ELLINA. (22 in.) A charming flower of an exquisite re pale primrose shade.	.50	3.50	32.00
bec	LOW PICOTEE. Pure Yellow, ma rgined crimson, coming splashed and feathered with crimson at ma- tity. Large elegant flower. Three for 50c	1.75 .35	13.00 2.40	22.00

### \*Vaughan's Special Mixture Cottage Tulips

This mixture contains many of the named sorts of the preceding list. We mixtourselves and know just what it contains. Theresult from a planting of 100 bulbs will be dazzling, and westrongly advise our customers to order at legat this many bulbs. Should peplanted in quantity for cutting.

Per doz., 45c. Per 100, \$3.00.

\$3.00. Per 1000, \$25.00.



PARROT TULIPS

### Vaughan's Special Collections—Cottage Tulips

These collections are made up from varieties of the preceding list. We select good varieties and give a choice assortment of colors. Customers can rely on good value.

No. 11. 25 each of 10 varieties, packed separate. Price, \$7.00. Express at purchaser's expense.

10 each of 10 varieties, packed separate, \$3.00, prepaid. 5 each of 10 varieties, packed separate, \$1.75, prepaid.

Our Front Cover Collection-

The illustration on the front cover pictures five distinct and beautiful flowers of the Cottage and Darwin classes, that we have specially selected on their merits—for color, size and lasting qualities. All are perfect in form and are shades that harmonize as well as being individually beautiful. For full descriptions see descriptions on these pages.

(D) denotes Darwin—(C) denotes Cottage Varieties.

Zulu (D), Bartigon (D), The Fawn (C), Gesneriana Lutea (C), Inglescombe Pink (C).

SPECIAL PREPAID PRICES FOR THE FIVE

25 of each, .....\$5.50 100 of each, .....\$20.00 12 of each, .....\$2.50

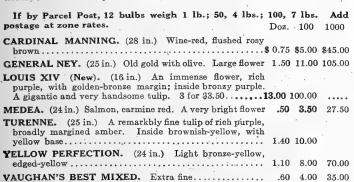
### A Splendid Late Double Tulip

BLEU CELESTE (Blue Flag). Blooming in May with the Cottage Tulips, this magnificent variety makes a wonderful showing in the herbaceous border or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony) a delightful shade of pale bluish-purple and are borne on long stems, making them splendid decorative flowers.

Per dozen, 85c; Per 100, \$6.00; Per 1000, \$55.00.

### Breeder (Old Dutch) Tulips

BREEDERS are the unbroken forms of the old Florist Tulips. They were formerly listed among the Cottage-Tulips but they really form a distinct class by themselves. Their purple, maroon or terra cotta colors with enormous size and vigorous growth, make them very valuable: flowers have unusual lasting qualities and are very sweet scented. They should be treated in the some way as Darwins, but cannot be forced.





BREEDER TULIPS

### Parrot or Dragon Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all Tulips. Flowering at the same time as other late sorts, they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height of them is about 15 inches.

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.;	100, 7 lbs.	Add
postage at Zone Rates.	z. 100	1000
ADMIRAL DE CONSTANTINOPLE. Red, tipped orange \$0.	45 \$3.00	\$25.00
LUTEA MAJOR. Bright yellow; large	45 3.00	25.00
MARKGRAVE. Yellow, striped scarlet and green	50 3.50	30.00
PERFECTA. Yellow, striped red	45 3.00	25.00
COULEUR CAFE. Brown and yellow	45 3.00	25.00
CRAMOISIE BRILLIANT. Deep crimson with large		
black center	50 3.00	27.00
GLORIOSA. Red and yellow	45 3.00	25.00
MIXED, Superfine	40 2.75	21.00

### Special Offer Breeder Tulips

Six each, 6 varieties (our selection) postpaid... Twelve each, 6 varieties (our selection) postpaid 2.85

### Old Fashioned Striped Tulips—LATE FLOWERING

If by mail, weight same as other Tulips.

Bizarres—Flowers beautifully blotched, striped and feathered with crim- Doz. son, pink, scarlet, rose, lilac and purple on yellow ground.....\$0.40 Bybloemens—White ground, blotched, striped or feathered with lilac, purple, violet, blue...... 25.00

### Fiber for Growing Bulbs in Vases, Bowls, Etc.

(Without Drainage)

For those who have neither a garden, nor the conveniences of greenhouses, or have a difficulty in obtaining suitable soil, we would recommend this system of culture. Any receptacle may be used for the purpose provided it is non-porous.

#### CULTURAL INSTRUCTIONS

THE bulbs are potted t .e same way as in ordinary soil, just showing their tops. It is not necessary or desirable to press the fibre tightly. otherwise the roots do not work freely, and bulbs have a tendency to push themselves upwards. Once potted they require hardly any attention, only great care should be taken to keep the compost moist, but on no account must it be sodden or too wet.

If once allowed to become dry, even for half a day only, the pores of the roots close up and the bulbs in many cases go blind and are ruined.

When the bulbs have been potted, vases or jars should be kept in a dark, airy cellar or room.

When the bulbs have grown about one inch, they should be brought into more light, and the vases or bowls can be placed in the window, taking care of course, to keep them from frost.

Per qt., 10c; peck, 50c; bushel, \$1.50.

Parcel Post rates are given on inside of front cover and on order sheet.



BIZARRE

TULIP

### Daffodils or Narcissi

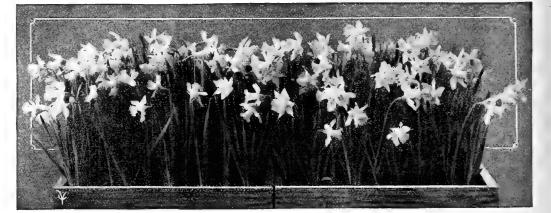
THERE is no flower of recent years that has forged its way to the front, and come into greater demano than the Daffodil in the beautiful forms and colors in which it presents itself today; and though heretofore Hyacinths and Early Tulips have taken the lead as the best spring flowers, we foresee the Daffodil in a conspicuous place in the annual procession of garden flowers in future. Today fabulous prices are paid for even one bulb of some of the new hybrids, and the number of varieties catalogued by growers is astounding, and often confusing. The varieties we offer are all choice, distinct types of the different groups, many moderately priced new ones being listed each year. Being perfectly hardy (with the exception of the Polyanthus varieties), they do well planted in any location; they increase in size, and flower year after year. Groups of Daffodils in borders of hardy herbaceous plants, and along the edges of shrubbery beds, are exceedingly effective and very beautiful. They are equally valuable for winter flowering in greenhouses or window gardens, and growing in pots or pans for house decoration. Three or four bulbs can be planted in a 6-inch pan and should be given same treatment as Early Tulips.

For outdoor culture bulbs should be planted 5 or 6 inches apart, according to size of bulbs. Bonemeal, at the rate of two handfuls to a square yard, should be used in the beds, but fresh manure, either as a mulch or dug in, should never be used. Make the beds several inches higher than the surrounding lawn or walks to ensure good drainage.

### Classification of Daffodils or Narcissi

"Daffodils" or "Narcissi," whichever one wishes to term them, are divided into three main divisions: (A), MAGNI CORONATI, large trumpet Daffodils; (B), MEDIO CORONATI, large trumpet Daffodils; (B), MEDIO CORONATI, medium sized trumpets, and (C), PARVI CORONATI, small cupped varieties. If a Narcissus bloom is examined, it will be found to consist mainly of two parts: (1), a long expanding tube, and, (2), a perianth (the petals or perianth segments), bending outwards from the tube: the three classes mentioned above depend upon the point on the tube or trumpet at which the petals are attached. When they come from the base so that the whole tube forms the trumpet, the flower belongs to the Magni Coronati (Fig. 1). When they come further forward on the tube, thus shortening the trumpet in front by about half, it belongs to the Medio Coronati (Fig. 2), and when the perianth is still more forward until the trumpet appears small-cupped or saucer-shaped, this is a type of Parvi Coronati (Fig. 3). Example 1—King Alfred; example 2—Gloria Mundi; example 3—Incognita. Polyanthus Narcissi, Double Narcissi, and Jonquils are too distinct to need mentioning here

Jonquils are too distinct to need mentioning here



NARCISSUS KING ALFRED

### Vaughan's New Narcissus Christmas Glory

The earliest and most prolific of all Narcissi for indoors

(See description below)

### Large Trumpet Narcissi

#### ALL YELLOW

If by Parcel Post, Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs; 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price, "each," includes postage. Add postage at Zone Rates.

Ard Righ (Irish King). Full yellow perianth, with rich golden yellow trumpet. Forces well. \$0.75 \$5.00 \$45.00

VAUGHAN'S CHRISTMAS GLORY. Perianth pale yellow and full. Medium size trumpet of rich yellow, well expanded and prettily frilled. Very productive, large bulbs giving from three to six blooms each. A week to 10 days earlier than any other in this list. Invaluable indoors on account of its earliness and free-blooming qualities......Cannot offer this year.

EMPEROR. A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-in. pot will make a splendid show. Large Bulbs... 3.50 30.00 Mammoth Bulbs..... 4.50 40.00

Golden Spur. A tall, vigorous, golden yellow flower, with healthy green foliage. Fine for beds or pots. Very early. Large Bulbs.... 4.00 35.00 Mammoth Bulbs..... .755.00 45.00

GLORY OF LEIDEN. Immense flowers of Doz. 100 1000 majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth segments are very broad, and overlapping; this variety deserves first place in any Narcissus collection. \$1.00 \$6.50 \$60.00 Henry Irving. A beautiful pure yellow flower, with broad spreading perianth and fine trum-A good forcer, and showy in beds..... 3.75 32.00 .55 KING ALFRED. "The King of Yellow Daffodils." Tall, vigorous, golden-yellow flower, of elegant form. The expanded trumpet measures 21/2 inches in diameter, the perianth proportionately large and segments gracefully 75.00 twisted. Height, 24 inches. 3 bulbs for \$2.75 10.00 Obvallaris. (Tenby Daffodil.) Vigorous, early, 4.00 35.00 pure yellow daffodil. Good for beds or pots... SHAKESPEARE. An extra fine seedling; beautiful, erect and bold flower with large broad light yellow perianth, and an immense golden-yellow trumpet...... 4.00 25.00Spurius Major. (Single Von Sion.) Flower large and of a uniform deep golden-yellow. Highly prized as a forcing sort and largely planted outside..... 3.75 32.00Trumpet Maximus. Pure golden-yellow; large expanded trumpet with frilled reflexed brim. 5.00 45.00 Good for beds or indoors.....

Vaughan's Book "How to Grow Flower Bulbs," 25c, or free with every order of \$1.00, if asked for.

\$32.00

45.00

3.75

5.00

.55

### Large Trumpet Narcissi—Continued

#### **Bicolors**

White or cream perianth segments with primrose, or deep yellow trumpets.

If by Parcel Post: Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at Zone rates.

DUKE OF BEDFORD. (New.) A bicolor of massive proportions; perianth pure white, 4½ inches across, with large expanding clear yellow trumpet. 3 Bulbsfor \$2.75.....\$

EMPRESS. This makes a fitting companion to Emperor. We

think it one of the finest of bicolors. The trumpet is of a rich yellow, with perianth of snow-white petals; flowers bold and erect.

Large Bulbs ............ Mammoth Bulbs.....

J. B. M. Camm. Perianth white, with a cream-colored trumpet, one of the finest white-winged varieties ...... 5.50 50.00 .755.00 45.00

Mrs. Walter T. Ware. A perfect shaped, very free and early blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden yellow trumpet. Per doz. 65c; per 100, \$4.50; per 1000, \$40.00.

PRINCEPS MAXIMUS. A popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow.

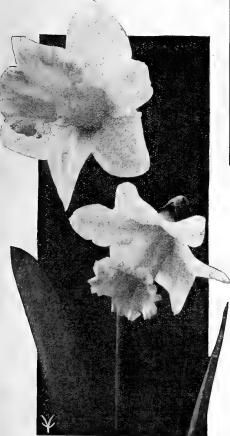
Mammoth Bulbs. Per doz., 60c; per 100, \$4.25; per 1000, \$38.00.

Large Bulbs. Per doz., 40c; per 100, \$2.60; per 1000, \$24.00.

VICTORIA. Flowers large and erect, with creamy-white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow, and frilled at mouth.

Mother Bulbs. Per doz., 75c; per 100, \$5.00; per 1000, \$45.00.

Large Bulbs. Per doz., 55c; per 100, \$3.75; per 1000, \$32.00.



NARCISSUS VICTORIA



NARCISSUS MME. DE GRAAFF The Finest in Its Class

Mrs. Thompson (white).....

NARCISSUS DUKE OF BEDFORD

### All White

White perianths with white or sulphur trumpets, which change to white as the flowers mature.

If by Parcel Post: 12 Bulbs weigh  $1\frac{1}{2}$  lbs.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone rates.

MME. DE GRAAFF. The grandest of white daffodils. Broad white overlapping perianth segments, with cream trumpet, changing to white, beautifully expanded and rolled back.

Per doz., \$1.15; per 100, \$8.00; per 1000, \$75.00.

Mrs. Thompson. Large and handsome, with an elegantly frilled trumpet. It first appears primrose, changing with age to pure white. A strong grower, early and free bloomer. Per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

W. P. Milner. Beautiful pure sulphur yellow. Distinct free-flowering. Per doz., 85c; per 100, \$6.00; per 1000, \$55.00.

### Vaughan's Collections

by express

### Large Trumpet Narcissi

### "Popular" Collections

An excellent assortment for pot culture or planting in clumps on the lawn. No. 13A No. 13B No. 13C Emperor (yellow)..... Empress (bicolor)..... 3 of each 6 of each 12 of each Golden Spur (yellow)..... For 70c For \$1.25 For \$2.25

#### "Novelty" **Collections**

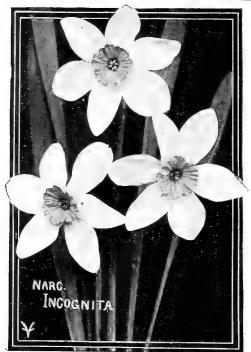
postpaid

We offer these collections to encourage the growing of some of the newest Narcissi, whose beauty and form cannot be realized from book description. Some idea of their merits may be gathered from the fact that when first introduced, these varieties found a ready sale at \$25 and \$50 per bulb.

King Alfred (yellow)..... No. 13D Duke of Bedford (bicolor) Shakespeare (yellow) 6 of each 3 of each For \$6.00 For \$11.00 Mme. de Graaff (white)..... postpaid

### Vaughan's "Amateur" Collections

These pri	ces quoted do not include prepayment. Our selection of varieties.	Price
Large	(13G—10 varieties; 5 of each (50 bulbs) postage extra, at zone rates	<b>\$2</b> .25
Cupped -	13H—10 varieties; 10 of each (100 bulbs) postage extra, at zone rates	4.00
Varieties	13K—10 varieties: 25 of each (250 bulbs) by express	9.00



### "Special" Collections

These collections are excellent value, and well suited for growing in pots. The selections of varieties are to be left to us, and are all choice small and medium cupped varieties. Leedsii varieties are included with the Incomparabilis. No. 14C— 6 of each in 5 varieties (30 bulbs) \$1.50 No. 14D— 6 of each in 10 varieties (60 bulbs) \$3.75 No. 14E—12 of each in 10 varieties (120 bulbs) \$7.00 No. 14C, No. 14D, Postpaid; No. 14E, Express.

### Leedsii or White Incomparabilis

Also called the Eucharis-flowered Narcissus

All have white perianths with white or sul-One of the most beautiful phur trumpets. classes for cutting of all daffodils.

If by Parcel Post, weights same as above.

DUCHESS OF WESTMINSTER. A most refined and graceful flower, with a large white spreading perianth, and long pale canary cup, which later passes to pure white. Doz., which later passes to pure white. Doz. \$2.00; per 100, \$14.00; per 1000, \$130.00.

Marie DeGraaff. Broad white perianth segments and widely expanded primrose crown, often suffused with orange or terra-cotta. Doz., 55c; per 100, \$3.75; per 1000, \$32.00.

Mrs. Langtry. A remarkably free flowering variety, broad white Doz. perianth, and white cup opening primrose. Valuable for naturalizing \$0.40 100 1000 perianth, and white cup opening primrose. \$22.00 \$2.50

WHITE LADY. A giant-flowering variety, resembling a white Sir Watkin. Large broad pure white perianth and a bold frilled cup of 

### Small Cupped or Star Narcissi

To this class belong the most interesting of all Narcissi, including the Barri, Burbidgei, Englehearti (Flat trumpet) sorts. The cups are usually tipped red, or entirely orange-scarlet, and are dainty flowers for pot culture, or nooks in the garden. Plant in semi-shade, as strong sunlight is liable to burn the red cups.

\$2.50 \$22.00

FIREBRAND. (New). A grand introduction. Large spreading creamy 7.5070.00 Flora Wilson. A large pure white perianth; yellow crown deeply stained with orange red..... 5.00 45.00

INCOGNITA. (New). A beautiful flower, with large white perianth, large, flat cup of a glowing orange apricot color, margined cinnamonbuff. One of the finest of recent introductions...... Each 40c 4.00 30.00

### NARCISSUS—Medium Sized Trumpets (Incomparabilis

THIS class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. When forced for winter flowers they are splendid and when used as a cut flower are very decorative.

We include under this heading the beautiful Leedsii kinds, which belong to it only in shape, but are quite distinct in color. All have the purest white perianths and as a rule white cups, though some are often shaded primrose or faint buff-orange. They make excellent pot plants; force well, being valuable in this respect for early white flowers. They are also exceedingly hardy, and are well adapted for planting out permanently in grass or in the Hardy Plant Border.

If by Parcel Post, weights of all bulbs on this page are as follows: 12 bulbs, 1 lb.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone Rates on inside of front cover.

Autocrat. A flower of exquisite shape; perianth and cup a uniform Doz. \$3.25 pure yellow. Excellent for pots or beds......\$0.50 \$27.00 Beauty. Sulphur-yellow perianth, large yellow cup margined scarlet. .55 32.00 BLACKWELL. One of the earliest in this section and a splendid forcing variety. Perianth, primrose yellow, of good substance, with a long tubular cup, orange-red to the base. Very striking Each 40c 4.25 30.00 Cynosure. Large handsome flowers; perianth primrose, changing to 2.60 24.00 white; cup yellow, stained orange; much used for forcing..... C. J. Backhouse. Pale yellow spreading perianth, with a long cup 3.50 30.00 of glowing orange-red... Gloria Mundi. A lovely flower with fine, bold, clear rich yellow perianth, large cup, much expanded, and very heavily stained 6.00 .85 55,00 orange-scarlet; handsome and striking...

HOMESPUN (Primrose Sir Watkin.) One of the finest of all yellow Incomparabilis. Color clear uniform yellow, perfect form, substance and quality. Has received more awards than almost any other Daffodil. Each, \$1.00

.10.00 75.00

Leonie. An extremely pretty and very prolific grower; pale primrose perianth, fine open frilled cup of a deeper shade. Splendid for pots and a fine border plant for cutting.

Doz. \$0.65; 100, \$4.25; 1000, \$40.00. Lucifer. (New). Long, white segments, long narrow cup, color intense glowing orangescarlet. Splendid garden plant, as color lasts well in the sun. Per doz., \$0.80; per 100, \$5.50; per 1000, \$50.00.

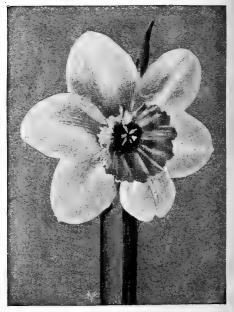
SIR WATKIN. A well known daffodil, excellent for large plantings, or growing in pots.
Full perianth of pure yellow with large rich golden trumpet. Mammoth Bulbs, doz., \$0.65, per 100, \$4.50; per 1000, \$40.00. Medium size, per doz., \$0.50; per 100, \$3.50; per 1000, \$3.00.

Vaughan's Collections.

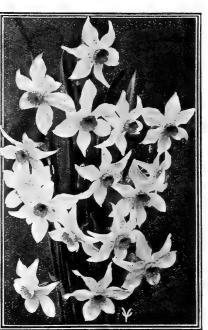
of Medium and Small-Cupped Narcissi
Delightful in pots, grouped in the border, or in
clumps on the lawn. (Buy one of these collections
and have something better than your neighbor.)

#### "NOVELTY" COLLECTIONS

Homespun White Lady Blacl Firebrand Incognita No. 14A—3 of each for \$5.00; Postpaid. No. 14B—6 of each for \$9.50; Postpaid.



NARCISSUS HOMESPUN



NARCISSUS FIREBRAND

6.00

55.00

### Poeticus Narcissus

#### POET'S NARCISSUS OR PHEASANT-EYE.

THESE are a beautiful class of daffodil. The flowers vary in perianth diameter from 2½ to 4 inches. The segments are pure white, overlapping in the newer varieties, the flat cup is yellow, usually edged scarlet, or sometimes entirely scarlet. They have a delightful perfume, and make grand indoor plants in pots, the earlier ones forcing well if desired. They are also adapted for planting in the garden, woods, or amongst shrubbery, where left to themselves they will rapidly increase and spread.

If by Parcel Post, 12 bulbs weigh 1 lb.; 100, 7 lbs. Price "each" includes postage. Add postage at Zone rates.

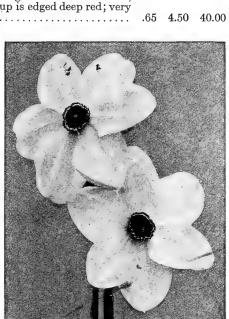
Poeticus. (Common Pheasant's Eye). The Narcissus for garden Doz. 100 planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late.......................\$0.30 \$1.85 \$15.00

Praecox Grandiflorus. A new and large type of early-flowering Poeticus; very large and handsome flowers; pure white with yellow cup suffused with crimson; height 19 inches ..... 4.00 35.00A grand new variety producing immense snow-white flowers of

perfect form; cup yellow edged red..... 5.00 .45.00Ornatus. A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are

especially adopted for forcing and make a splendid cut.flower. Large Bulbs..... .30 1.85 15.00Mammoth Bulbs.... 2.60 24.00 .40

King Edward VII. (Almira). Magnificent large flowers with broad, round petals, a glistening white; the yellow cup is edged deep red; very early flowering variety..... 4.50 .65



TYPE OF NARCISSUS POETICUS



NARCISSUS POETAZ ELVIRA

#### POETAZ VARIETIES—Continued

Aspasia. Perianth dure white, with yellow eye true Poeticus form, large flowers, borne on very tall stems, grows 24 inches high, 3 to 4 flowers on a stem.

Per dozen.	 									. 6	\$ 0.50
Per 100											
Per 1000	 										30.00

Elvira. Pure white with yellow eye, large flower of remarkably good substance; a good keeper; very long stemed, 3 to 4 flowers on a stem; one of the strongest growing Narcissus. Extra free-flowering.

-												
Per dozen.											. 8	\$ 0.50
Per 100												3.50
Per 1000												30.00

Irene. Perianth silky sulphur-yellow changfng to light yellow: orange eye; large broad truss, bearing 8 to 9 flowers; most pleasing color; this novelty no doubt will soon be in good demand.

Per	dozen.											. \$	0.75
$\mathbf{Per}$	100 1000.												5.00
Per	1000.												$45.0^{\circ}_{0}$

Klondyke. Perianth yellow, with deep golden eye; one of the deepest Doz. 100 

Triumph. Pure white perianth, with deep yellow eye; the largest flowers of this section, resembling Narcissus Bazelman Major; 3 to 4 flowers on a stem; a sterling novelty.....  $6.50 \quad 60.00$ 

### Vaughan's Special Offers

15E-3 each, "Poeticus" named on this page, postpaid.....\$0.75 15H-3 each, "Poetaz" named on this page, postpaid...... 1.35

### Narcissus—True Jonquils

JONQUILS are noted for their graceful, sweet-scented flowers, in or out-of-doors. They thrive well in a moist, shady position in borders, and make splendid edgings to beds of some of the taller Narcissi. For indoor decoration three or four bulbs should be grown in a four or five-inch not. (Postal rates as above.)

Dunkirk, New York, ge and Parrot Tulips

"The Cottage and Parrot Tulips made a beautiful display."
"The Darwins were the handsomest seen in this ylicinity."
"The Old Dutch Breeders contained some of the most beautiful and chaste colorings possible in Tulips."
"The Narcissus Victoria and Empress, also Von Sion were certainly the largest and finest seen hereabouts."
Yours truly, JOHN PLAYER.

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Narcissus Poetaz

(THE HARDY, CLUSTER-FLOWERED DAFFODIL)

BY crossing Poeticus and Polyanthus varieties growers have succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. The individual flowers have all more or less the Poeticus shape and size. Besides being hardy, this class has the merit that they have not inherited the strong, disagreeable seent of the Polyanthus Narcissus. Planted in beds they make a mass of flowers. They also do well planted in pots for winter flowers.

If by Parcel Post, 12 bulbs weigh 1 lb.; 100, 7 lbs. Price "each" includes postage. Add postage at Zone rates.

Alsace. Petals pure white with yellow eye;

when bursting into flower the eye is slight-

ly edged reddish. Broad, large flowers of

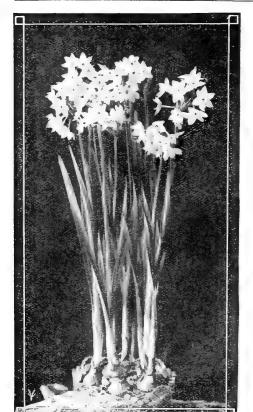
true Poet form; one of the earliest. Has

Per dozen.....\$ 0.85 Per 100...... 6.00 Per 1000..... 50.00

three flowers on a stem.

NARC, ALBA PLENA ODORATA (See p. 16)

inch pot. (Fostai rates as above.)	Doz.	100	1000
Single. Yellow, sweet scented. Usually 2 to 3 flowers on a stem	<b>\$</b> 0.25	\$1.80	<b>\$</b> 16.0 <b>0</b>
Double. Fragrant. Rich golden yellow, fragrant flowers, usually two on a stem	.35	2.40	22.00
Campernelle. Large, for forcing or bedding. Very fragrant	.30	2.25	20.00
Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing	.30	2.25	20.00
Rugulosus Plenus. Double yellow flowers on tall graceful stems. Sweetly perfumed.	.45	3.00	27.00



### PAPER WHITE GRANDIFLORA Growing in Gravel

DAFFODILS OR NARCISSI-Continued

## Polyanthus Narcissus (Bunch Flowered)

NARCISSUS TAZETTA

THE Polyanthus or bunch-flowered Narcissi are not only beautiful, but exceedingly fragrant, and may be grown in bowls or glasses under the same treatment as for Chinese Sacred Lily. Also suitable for window garden, conservatory or garden, very free flowering and continuing long in bloom. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. They are not quite as hardy as the other types of Narcissus and therefore should be carefully protected in cold climates when grown in the garden. when grown in the garden.

If by Parcel Post, 12 bulbs weigh 3 lbs.; 50, 10 lbs. Add postage at zone rates given on inside

. I	Cach	Doz.	100
Bazleman Major—Large flowers in immense clusters; broad pure white perianth; large dark yellow cup; one of the finest Polyanthus Narcissus in cultivation	0.12	\$1.00	\$7.00
Gloriosus—Pure white flowers of large size with orange cup; borne in large heads	.10	.85	6.00
Grand Monarque—One of the finest of the Polyantha section, giving excellent results when grown in gravel and water. The bulbs are of large size. Flowers are white with a			
lemon-yellow cup	.10	.85	6.00
Grand Primo—Perianth pure white, with citron cup	.10	.85	6.00
Lord Canning—Clusters of large golden.yellow flowers with orange cups; extra fine	.12	.90	6.50
Maestro-Large round, thick-petaled flowers of cream white, with deep orange cup; a grand sort	.12	.90	6.50
Mont Cenis—This is undoubtedly the finest of Narcissi; its large white flowers with yellow cup come to a medium height, often more than two flower stems from a bulb and			
each stem 15 to 18 blooms.	.10	.85	6.00
WHITE PEARL—Large pure white flowers opening with cream cups, which change to white in a day or two; these chaste and beautiful flowers are borne in large clusters	.10	.85	6.00

### Paper White Grandiflora

LARGE FLOWERING—This large flowering type is such an improvement over the ordinary "Paper White" that we have discontinued offering the latter. The "Large Flowering" is more vigorous and earlier, producing purest snow-white flowers of large size and good substance. This Narcissus does splendidly when grown in bowls of water and pebbles or moss the same as Chinese Narcissus. Fancy Selected Bulbs, three for 15c. \$0.50 Mammoth (Star Brand), three for 18c.....

### Vaughan's Special Collections, Polyanthus Narcissus

A-1 of each (6 varieties), postpaid	.\$0.60
B-3 of each (6 varieties), postpaid	.\$1.50

### Double Sacred Lily (Double Roman Narcissus)

GROWN in the same manner as Chinese Sacred Lily. Produces abundance of double flowers; white, shaded beautiful yellow; fragrant and lasting. Can be easily brought into bloom for Christmas. Each 7c; doz., 60c; 100, \$4.00.

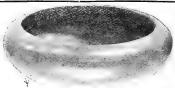
### Double Narcissi

THESE old fashioned daffodils are still very popular, and though they lack the sturdiness of some of the single varieties as bedders, the "Phoenix" varieties have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal of its class for potting or forcing. If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs; 50, 7 lbs.

Alba Plena Ordorata-The well known double white, sweet scented form of 1000 Poeticus; sometimes called the gardenia-flowered Narcissus. Late flowering, and Doz. \$2.50 \$21.00 will not force. Best suited for beds or naturalizing. (See page 15)...........\$0.35 Incomparabilis (Butter and Eggs), the double form of Sir Watkin. Light yellow 3.50 30.00 and orange; forces well . .

Orange Phoenix (Eggs and Bacon) white and orange..... 3.75 32.00 Sulphur Phoenix (Codlins and Cream), white and sulphur yellow. One of the best for cutting and unexcelled for funeral work. As this bulb generally throws two to three flowers, it is a profitable variety to grow..... 30.00 3.50 5.50 50.00

VON SION XXX Mammoth Double-Nosed Bulbs, largest and finest roots our 5.00 45.00 growers can select. Each bulb will bring two or more flowers...... Three for 20c VON SION, Fancy Selected Bulbs..... 4.00 35.00 VON SION, First Sized Bulbs..... 25.00



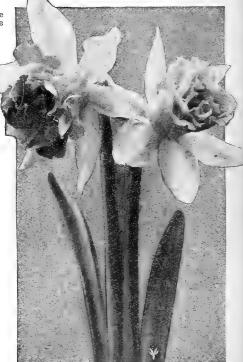
### Bowls for Chinese Lilies and Other Bulbs

These "Zasco" Earthenware Bowls are made of hard-fired pottery, with a mat-gray body in over-run glazes of highly, harmonizing colors. They are absolutely non-porous and theretore will not damage furniture or other household articles through moisture perfor growing Paper White Narcissi and Chinese Lilies in gravel and water, or the numerous bulbs that can be grown in our Prepared Fiber, (see page 11).

They come in two styles:

They come in two styles: Style 30 (Octagonal)
Diam. Weight packed Each
5-inch. 2 lbs. \$0.35
6-inch. 2 lbs. .50 F. L. Style (Round)
Diam. Weight packed Each
6-inch... 2 lbs. \$0.40
8-inch... 3 lbs. .70 \$1.10 5-inch.. 1.95 6-inch.. 5-inch (Plain Colors, Green, Red or Blue) Each 35c; 3 for 85c (wt. 1 lb.) GRAVEL, such as is used for above. 5 lbs., 20c; 10 lbs., 35c; per lb., 5c.





1000

NARCISSUS VON SION (Double Daffodil)

Vaughan's prepared fiber offered on page 11, is a clean and nutritious substance for growing bulbs in pots and bowls indoors.

# Various Bulbs

### Allium Neapolitanum

THIS is one of the most beautiful bulbous plants for conservatory, house or window-garden. The flowers are star-shaped, and are produced in large, loosely-spreading umbels, on stems 20 inches high. Per doz., 25c; per 100, \$1.25; per 1000, \$10.00. "Dozen" and "100" prices include postage.

#### Amaryllis

TO BE SUCCESSFUL with these bulbs, customers should follow closely our cultural directions. On receipt of the bulbs in autumn place them in damp moss in a temperature of 60 degrees, and allow the flowering shoots to appear before the bulbs are potted. When first potted give very little water, and promote growth by giving moderate bottom heat; increase the supply of water as the plants progress. The proper soil for Amaryllis is turfy loam enriched with rotten manure.

(Exp.)—Express at buyer's expense. Price 'each' includes postage. Mailing weight, per doz. 6 lbs. Add postage at zone rates.

Belladonna Major. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. Each, 20c; per doz., \$2.00; per 100, \$15.00.

Johnsoni. Has immense trumpet-shaped flowers, which

Johnson. Has immense trumper-snaped flowers, whice measure 6 to 8 inches, across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broadwhite stripe, contrasting beautifully with the deep red color. Large Bulbs, each, 25c; 3 for 70c; doz., \$2.60; 100, \$20.00. Mammoth Bulbs, each, 40c; 3 for \$1.15; doz., \$4.25; 100, \$30.00. (exp.) Vittata Hybrids. These are unnamed seed-

Vittata Hybrids. These are unnamed seedlings, secured from a famous hybridizer. The flowers are exceedingly rich in color and markings, spikes are usually from 2 to 3 feet in height bearing from 3 to 5 enormous trumpet-shaped flowers. Each, 50c; doz., \$5.50; 100, \$40.00. (exp.)
Vaughan's New Hybrids. One of the finest

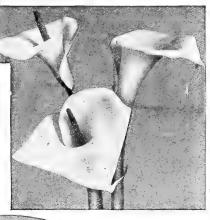
'aughan's New Hybrids. One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose stock we have purchased out and out. Flowers are immense borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains. Large Bulbs, each. 75c; doz., \$7.50. Mammoth Bulbs, each, \$1.00; doz., \$10.00.

Anemone (Windflower)

THE varieties offered below are charming hardy spring flowers, and are becoming better known and more garden flower. Both double and single are equally desirable, and no garden should be without them. They are suitable for pot or border culture, and when planted in masses are most effective. They suc-



AMARYLLIS-New Hybrids





WHITE CALLA

#### Anemone—Continued

as the ground can be worked in the spring. If planted in the autumn, they should be covered with leaves, straw or long manure on the approach of winter. For pot culture, fill with any rich, porous compost, with good drainage, planting 4 roots in a 5-inch pot; place in a cold frame, or any moderately cool situation, giving very little water until the plants appear; then remove to the greenhouse or sitting room. If by Parcel post, 1000 bulls weigh 1 lb. Prices per dozen and 100 include postage.

Ceres. Double white suffused with rose. Per doz., 50c; per 100, \$3.00; per 1000, \$25.00.

Fulgens. The most brilliant and effective of all Anemones, dazzling vermilion-scarlet, with jetblack center; excellent for cutting. Per doz., 75c; per 100, \$5.50; per 1000, \$50.00.

King of the Scarlets. Double bright scarlet. Per doz., 60c; per 100, \$3.50; per 1000, \$30.00.

King of the Blues. Double very fine blue. Per doz., 60c; per 100, \$3.50; per 1000, \$30.00.

White. (The Bride), single. Per doz., 50c; per 100, \$3.00; per 1000, \$25.00.

Single Mixed. All colors. Per doz., 30c; per 100, \$1.75; per 1000, \$15.00.

Double Mixed. All colors. Per doz., 35c; per 100, \$2.00; per 1000, \$18.00. St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single, 3 to 5 inches across and of the richest as well as the daintiest colors, markings, blendings, all having a distinct dark base. They have long stems, very graceful for vases. Per doz., 65c; per 100, \$4.00; per 1000, \$35.00.

### Babiana

PRETTY little plant, bearing showy spikes of flowers, which are much characterized by their rich self-colors or the striking contrast of very distinct hues in the same flower. Best when grown in pots. Mixed colors.

Per doz., 75c; per 100, \$5.00, (post free); per 1000 \$45.00.

### Calla (Richardia)

Aethiopica (Arum or White Calla Lily). A well known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of August; re-pot in good, rich soil, using 6 to 8-inch pot, give water, light and heat in abundance and the result will be most satisfactory.

If by Parcel Post, add postage at Zone Rates.

Each Doz. 100

 First Size (1-1½ inch); weight, dozen, 1 lb.
 Each \$1.00
 \$1.30
 \$9.00

 Select Size (1½-2 inch); weight, dozen, 2 lbs.
 20
 2.00
 14.00

 Mammoth (2-2½ inch); weight, dozen, 3 lbs.
 25
 2.50
 19.00

 Jumbo (2½ inch and up)
 30
 3.00
 22.00

Spotted Leaf. (Richardia Alba Maculata.) The leaves of this variety are deep green with numerous white spots, which give the plant a very ornamental appearance. The flowers are white with a black center; they grow freely either indoors or out. Mailing weight, dozen, 2 lbs.

Each, 10c; per dozen, \$1.00; per 100, \$7.00.

Golden Yellow. (Elliottiana). Rare and beautiful variety; same habit of growth as ordinary white Calla, flowers same size and shape, rich, clear, lustrous goldenyellow; foliage dark green, with translucent creamy spots. A large stocks enables us to offer strong bulbs.

Each, 25c; dozen, \$2.40; per 100, \$18.00. Add 5c each for postage.

### Calochortus or Mariposa Tulip

THESE famous California flowers possess much delicacy and brilliancy of coloring. They resemble a tulip in shape, and are of many colors, shades and markings. Mixed, per doz., 50c; per 100, \$3.50; postpaid; per 1000, \$30.00.

BONE MEAL is the safest fertilizer for all bulbs. Try it in your potting mixture. 2½ to 3 lbs. to the bushel Price, 5 lbs., 50c; 50 lbs., \$2.25; 100 lbs., \$4.00.



VAUGHAN'S SUPERB CROCUSES

### Chionodoxa (Glory of the Snow)

THE Chionodoxa is one of our loveliest Spring flowers, and when established its sheets of blue in very early Spring are a great attraction in the garden. It should be largely used in borders and dotted over bulb beds, also massed on rockwork. Once planted it comes up year after year, the flower spikes increasing in size and beauty. Excellent in pots. Prices include postage.

Lucillae. Bright blue with large clear white center. 1000 Sardensis. Intense deep blue. Large cultivated bulbs.... .40 2.00 16.00

### Vaughan's Superb Crocus

#### Spring Flowering Varieties

ONE of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or where three or four rows are arranged in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. An effective method of planting is to scatter them over the lawn by digging up a small piece of sod here and there and placing one or two bulbs in each spot. This give a pretty effect in early spring, and the tops can be cut along with the grass safely when first mowing is made. The large-flowering named varieties are ornamental when flowered in pots six or eight bulbs in 5-inch size. They will not flower if exposed to heat, nor must severe forcing be attempted. It is a mistake to plant Crocuses too deeply, an inch of covering being quite sufficient, anything deeper may cause them to fail to bloom.

#### Dozen price includes postage. 100 bulbs weigh 3 lbs.

Albion, blue, striped white.
Baron von Bruno, dark blue.
David Rizzio, deep purple.
Dandy, blue.
Non Plus Ultra, blue, bordered white.
Ocholle, dark rupple. Othello, dark purple. Mont Blanc, pure white.

La Majesteuse, white, violet stripe. Madam Mina, white striped. Sir Walter Scott, white, blue stripe. Mammoth White. Cloth of Gold, yellow and brown. Cloth of Silver, white and lilac.

Price of above, per doz., 30c; 100, \$2.00; 1000, \$17.00.

Doz. 100 1000 \$2.25 \$19.00 25,00

SPECIAL OFFER 18 "W": 10 each of 10 varieties of above. (100 bulbs) Our Selection, postpaid, for \$2.75.

### Vaughan's "Pride of Holland" Strain of

#### Named Crocus

THIS is a special large flowered strain selected by one of our Dutch growers. They make larger bulbs and give larger blooms than ordinary named kinds, and are of special value for pot culture, the size of the blooms being very noticeable. offer five colors. Please mention "Pride of Holland" strain when ordering.

Sir Walter Scott, white, blue striped. Queen Victoria, pure white.

Mammoth Yellow. David Rizzio. King of Blues, fine blue.

Price, per dozen, 50c; 100, \$3.00; 1000, \$25.00.

### Crocus—Vaughan's Special Mixture

#### Giant Flowered Crocus

WE make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoor in lawns, along borders or amongst shrubbery this mixture cannot be excelled. Doz., 30c; 100, \$1.50; 1000, \$15.00.

### Unnamed Crocus, Separate Shades

THESE bulbs are of good size and will produce large flowers and are excellent for grass planting and borders.

White Striped and Purple Striped and Variegated Yellow, large 100 ° 1000 \$1.40 \$12.00

### Dielytra Spectabilis (Bleeding Heart)

A VERY graceful pot-plant for greenhouse and room decoration, also for summer-flowering in shrubberies or shady borders. The elegant pendent branches are loaded with heart-shaped rosy crimson flowers, and furnished with graceful delicate green foliage. Height 1½ to 2 ft. Strong roots.

Each, 25c; 3 for 65c; postage 5c extra. Per doz, \$2.50. Dozen weigh 3 lbs.

### Eranthis Hyemalis (Winter Aconite)

EARLY in spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green of cushion leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. 8 inches hig. (Price per dozen and 100 includes postage.)

Per doz., 30c; per 100, \$2.00; per 1000, \$16.00.

Erythronium (Dog's-tooth Violet)

BEAUTIFUL plants, perfectly hardy; the foliage is usually charmingly variegated, and a mass of 15 or 20 plants is a pretty sight. Plants luxuriate in rather moist, partially shady positions, and do very nicely when grown in pots for winter blooming. Price, per doz., 30c; per 100, \$2.00 (postpaid); per 1000, \$16.00.

### Vaughan's Giant Freesias

THESE are well known for their delightful fragrance, the new colored ones which we offer, adding a new charm to the class. They should be potted up in August and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards. The bulbs should be purchased at once so as to provide good root-growth before being taken indoors, which frost compels. Dozen and 100 prices include postage.

VAUGHAN'S PURITY. Flowers are of a magnificent snowy white, of very large size and great fragrance. One bulb will throw three to five flower-heads, each of which will have from eight to nine buds. One of the finest Freesias we have ever seen. Doz. 100 1000

Mammoth Bulbs, each 5c. .... \$0.40 \$3.00 \$25.00 Large Bulbs.....

#### **New Colored Freesias**

THESE are rapidly winning favor on account of their lovely and unique colorings and shadings, very delicate fragrance. Each principal spike usually carries 7 to 9 flowers—while the side spikes, of which each bulb produces several usually bear 5 to 6 flowers. The culture differs in no way from that of Freesia Refracta.

Each Large Bulbs, ½ inch \$ .08 \$0.85 \$6.00 Mammoth, ½ inch 10 1.00 9.00 Scarlet Freesias \$2.00; per 1000, \$14.00.

### Fritillaria Imperialis (Crown Imperial)

THE Crown Imperial is a stately hardy border-plant, very effective in Spring when grouped in woodlands, wild gardens, or chards, etc. For forming bold groups in the permanent border or on lawns it is of great value, and should be allowed to remain undisturbed. To obtain the best results, plant the bulbs in September, in a good, deep loam. Each, 25c; 3 for 65c; per doz., \$2.00; per 100, \$14.00 (postpaid.)



VAUGHAN'S GIANT FREESIAS

### Fritillaria Meleagris

SINGULAR dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors, yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable for pot culture and exceedingly pretty when grown in large groups in the garden border or wild dry situation. Per doz., 30c; per 100, \$1.75 (postpaid).

### Gladiolus, Early Flowering

FOR grace and beauty these early flowering Gladiolus cannot be excelled. Being of dwarf habit, they can be grown in cool conservatories or dwelling houses during the winter for flowering from March till May, but they are a hardy bulb and may be planted outdoors in the late fall, 4 to 6 inches deep, if protected with at least a covering of from 4 to 6 inches of leaves or dry manure; this protection must be removed early in the spring.

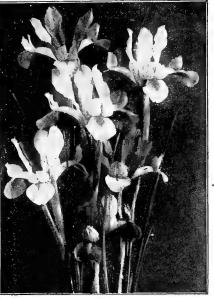
For Indoor Culture, place 6 to 12 bulbs in a pan filled with fairly sandy soil; place outdoors protected from frost until winter sets in, then remove to a light but cool corner of the cellar until February 1st, when they should be brought to gentle heat and light.

Price per dozen and 100 includes postage.

	Doz.	Per 100	Per 1000
Ackerman—Salmon, blotched with scarlet			
and carmine\$  The Bride (Colvillei Alba)—Bright,	0.40	\$2.15	\$17.00
The Bride (Colvillei Alba)—Bright,			
graceful variety, having pure white flow-			
ers	.40	2.15	17.00
Blushing Bride (Delicatissima)—Flow-			
ers are large, blush white with pink			
blotches on three lower petals	.35	2.00	15.00
Cardinal Elegans—Fiery scarlet, flaked			
white; graceful drooping foliage; very			
exquisite	.50	2.50	20.00
and beautiful variety, and we can highly			
recommend it for all purposes. Dark			
scarlet, flaked violet	.50	2.50	20.00
Peach Blossom—Splendid variety, pro-			
ducing graceful spikes of charming flow-			
ers, delicate rosy blush, blotched pale rose			
and cream, free bloomer and of fine			
vigorous growth	.35	2.00	16.00
Queen of Holland—Pure white flaked light			
sulphur, bordered red	.40	2.20	18.00
Sans Pareille—Light lilac, small blotch on			
lower petals	.50	2.50	20.00
Sapho—Soft lilac, flaked white, bordered			
violet	.50	2.50	20.00
Grape Hyacinth—See Muscari, page 22.			



**NEW EARLY GIANT IRIS** 







GLADIOLUS-The Bride

## Bulbous Irises

### New Early Giant Irises

THIS new race of Iris differs from the Spanish Iris in flowering a fortnight earlier and having larger flowers of greater substance, while the foliage is very broad and glaucous. They will be found valuable in giving a decoration in the garden in the period intervening between the late Cottage Tulips and the Spanish Irises. Their colors are bright and attractive. In very cold districts they should be given protection in winter. We offer them in 6 distinct kinds, packed separately.

3 of each, 6 vars (postpaid).....\$1.50 | 12 of each, 6 vars (postpaid).....\$5.00 6 of each, 6 vars (postpaid).....2.75 | 25 of each, 6 vars (postpaid).....10.00

### Spanish Iris (Iris Hispanica)

ONE of the most beautiful of our Spring flowers, coming into bloom when flowers are scarce, after all daffodils and tulips are over, and before the early Summer flowers are ready. When planted in pots and grown out of doors in the cold frame, they can be brought in when growth is well advanced, and will bloom late in March or early April. Dozen and 100 prices include postage.

#### Named Varieties—Large Bulbs

	Per Doz.	Per 100	Per 1000
Belle Chinoise, dark yellow	\$0.25	\$1.75	\$14.00
British Queen, white, extra fine		1.75	14.00
Beauty, porcelain blue	30	1.85	15.00
Bronze Queen, the finest terra-cotta	30	1.85	15.00
Cajanus, clear yellow, extra	25	1.75	14.00
Count of Nassau, dark blue		1.75	14.00
Darling, dark blue	30	1.85	15.00
Hercules, dark bronze		2.00	16.00
La Neige, snow-white	25	1.75	14.00
Louise, beautiful shade of light blue		1.75	14.00
Mia, blue-purple	30	1.85	15.00
Reconnaissance, fine bronze		2.00	16.00
Wouverman, beautiful orange yellow	35	2.00	16.00
MIXED, all colors		1.20	10.50

### English Iris (Iris Anglica)

THE varieties of English Iris are among the finest flowers we have in early summer. It got its popular name in a rather curious way, being sent from its Pyrenean home, where its distribution is limited, to Bristol traders, thence to Holland. The Dutch, supposing it to be a native of English shores, called it the English Iris. The flowers are quite distinct in aspect from those of the Spanish Iris and appear a fortnight later.

If by Parcel Post, dozen weigh ¾ lb.; 100, 6 lbs.	Each	Per Doz.	Per 100
Adelaine, white, violet striped	. \$0.07	\$0.60	\$3.50
Grand Lilas, light blue		.60	3.50
Mont Blanc, pure white, large flower	07	.60	3.50
Othello, dark blue	07	.60	3.50
MIXED, all colors (per 1000, \$15.00)		.40	2.50

### Mourning Iris (Iris Susiana)

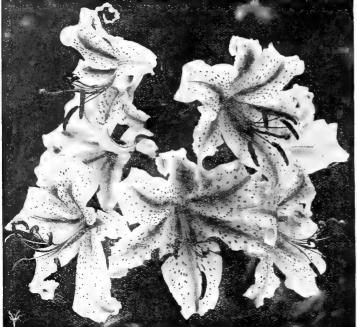
IMMENSE flowers, blush tinted brown and covered with a network of fine lines. Flowers to the end of May and grows about a foot high.

Each, 50c; doz., \$4.50; 100, \$30.00. Mailing weight, doz., 3/4 lb.

(For other Irises see list of Perennial Plants.)

Ixia—See page 22.

6 bulbs of a kind supplied at dozen rate, 25 at 100 rate, 250 at 1,000 rate.



LILIUM AURATUM

### Lilium Longiflorum Giganteum—(Japanese Easter Lily) Best grown indoors

Best of all lilies for indoor pot culture; bulbs planted when received, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet-shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection), it is splendid for outdoor planting. We have these in stock both at Chicago and New York. Cannot offer less than 50 bulbs on an order.

Select Size (7 to 9 inches), 50 for \$5.50.

Mammoth Size (9 to 10 inches), 50 for \$7.50.

### Lilium Auratum—(The Gold-banded Lily of Japan)

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 inches), each, 25c; doz., \$2.50.

### Auratum Platyphyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted but much larger, the petals more overlapping, and of greater substance. (Not available this year.)

### Lilium Auratum Rubro-Vittatum

A beautiful distinct and imposing Lily of the Auratum type, producing flowers quite as large as the golden-rayed variety, but instead of the golden rays there is down the center of each long recurved petal a heavy band of crimson, accompanied by crimson spots on a pure white ground.

(Not available this year.)



### VAUGHAN'S LILY BULB COLLECTION

12 Desirable Hardy Kinds, our selection, prepaid, \$2.50.

FOR color, fragrance beauty and variety of form, nothing can equal these grand flowers: whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable. they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Note.—Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or manure so the bulbs may be planted on arrival. Lilium Harrisii and Candidum are ready in August; all others in November.

When asked for we give a free pamphlet, "Naturalizing Lilies,"

with each order for lily bulbs.

Out door culture.—When planting Lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border where they receive protection as well as shade. Many varieties are termed "stemrooters" that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. (Continued top of page 21).

### Lilium Candidum—(Madonna, or Annunciation Lily)

This is one of the oldest, loveliest and best known Lilies. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring a position where it can get plenty of light and air. Blooms in the open ground about June 20th. We recommend early planting of this Lily, as it makes its leaf-growth in the fall, and thus prepares itself for early blooming. Orders, should, therefore, be sent in on receipt of this Catalogue.

Each \$2.50 Select Size......\$0.25 \$18.00 3.50 25.00 .35 Mammoth Size.....



EASTER

We have a limited quantity of the following Lily Bulbs in storage for October and November potting. Prices quoted, on application, on hundred and case

LILIUM RUBRUM. ALBUM, AURATUM, HENRYII.

We give away a FREE pamphlet on "Naturalizing

Lilies" with each Lilv order

when asked for

Owing to Government embargo, many Japanese Lily Bulbs will not be available this year.

10.00

10.00

12.00

18.00

10.00

.15

.15

.25

.15

1.50

1.50

1.75

2.50

1.50

# LILY BULBS

Spade over the ground thoroughly to a depth of 18 inches beformplanting Lilies and enrich it by adding equal portions of leafmould, peat a d rotten manure. Plant the bulbs 4 to 6 inches deep putting some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late Spring.

April planting is advisable, if severe frost prevented planting the previous

November.

Indoor Culture. — Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. Thorough rooting is essential.

Lily Bulbs by Parcel Post.—Add postage at Zone rates on inside of

front cover.		
Size	3 Bulbs Weigh	Dozen Weigh
8-9 in	$\dots$ $\frac{1}{2}$ lb.	4- 5 lbs.
9-11 in	$\dots 1\frac{1}{2}$ -2 lbs.	6- 7 lbs.
11-13 in	2-3 lbs.	9-10 lbs.



LILIUM SPECIOSUM RUBRUM

### Lilium Speciosum—Lance-leaved Lily

 most saisfactory of the Speciosum class.
 Each Per Doz. Per 100

 First Size (8-9 in.)
 \$0.20
 \$2.00
 \$12.00

 Mammoth (9-11 in.)
 .35
 3.00
 20.00

 Melpomene— White, spotted and splashed deep crimson.
 .25
 2.00
 12.00

 Mammoth (9-11 in.)
 .35
 3.50
 25.00

Rubrum-White, spotted and rayed rosy red. We consider this the

### Lilium Myriophyllum (New)

A new and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for out door planting. Each, \$1.00; per d z. \$10.00.



- SPECIAL LILY COLLECTION -Various Hardy Lilies See Opposite Page "Each" and "dozen" prices include postage Brownii. Immense handsome trumpet-shaped flowers, 8 to 10 inches long. Each Per Doz. Per 100 \$5.00 \$45.00 Pure white inside brownish fawn outside. Blooms in July.........\$0.50 Canadense.—(Meadow Lily.) Gracefully drooping, bell-shaped, red 1.35 9.00 and yellow flowers typical of our northern meadows...... Candidum—See page 20. Henryi. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot 50.00 .75 7.50 spotted brown..... Elegans Leonard Joerg. Rich apricot, spotted..... .20 2.00 12.00 Elegans Robustum. Orange spotted maroon..... 2.00 12.00 1.50 10.00 Elegans Mixed. A splendid assortment of this type..... Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick 5.00 45.00and durable..... .50 Krameri. Delicate rose pink of elegant outline and graceful habit. 3.50 25.00 Blooms in July..... Pardalinum—(Leopard Lily). Rich scarlet and yellow, spotted rich 2.00 12.00 Superbum. The finest of the native Lilies. Flowers bright orange, 1.50 10.00 .15 spotted purple..... Tennuifolium—(Siberian Lily). A native of Siberia; one of the

very hardiest Lilies; flowers vivid scarlet, with petals reflexed;

blooms early in spring.....

Tigrinum Splendens. Very hardy native Lily; orange, spotted purple

Tigrinum Flore Pleno—(Double Tiger Lily). The well known

double Tiger Lily. Rich orange blossoms, 4 ft.....

crimson, rose, yellow, buff, and apricot.....

We supply 6 bulbs of a kind at dozen rate, 25 at 100 rate, and 250 at 1000 rate.



MUSCARI (Grape Hyacinth)

### Muscari (Grape Hyacinth)

BEAUTIFUL little flowers for planting in masses either in shade or sun. Once planted, they multiply rapidly and send up flower stems by the score each year. Also adapted for growing indoors. Plant six bulbs in a five-inch pot. Perfectly hardy.

Botryoides (Blue). Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Per dozen, 25c; per 100, \$1.25; per 1000, \$10.50 (postpaid).

Botryoides Album (Pure White). This is a beautiful companion to the above, and they make a striking show when planted together. Price, per dozen, 25c; per 100, \$1.35; per 1000, \$11.50 (postpaid).

Plumosum (Ostrich Feather or Plume Hyacinth), bearing large broad plume-like heads of a pretty mauve color. Price, per dozen, 35c; per 100, \$1.75; per 1000, \$15.00 (postpaid).

### Ornithogalum Arabicum (Star of Bethlehem)

TALL spikes bearing large heads of white flowers with glistening black centers. This is a glorious bulbous plant, grown in a warm sunny border outside, or in pots for conservatory decoration; it forces well, and can be had in bloom by Easter, it lasts long in flower. Height, 1½-2 ft. Extra fine flowering bulbs. Price, per doz., 50c; per 100, \$3.00; per 1000, \$25.00.

### Vaughan's Giant Ixias

MUCH admired for their brilliant colors and graceful flower-stalks, resembling miniature Gladiolus. Colors include many shades of yellow, pink, scarlet and crimson. The center of the flower is always a distinct dark color and the contrast in full sunlight is very striking. Plant six or eight bulbs in a 6-in. bulb-pan, covering them 1 in. Not hardy, only in California or similar climates. Prices include postage.

Alba. Splendid white, purplish crimson eye, well shaped flowers.

Doz., 30c; 100, \$1.85; 1000, \$15.00.

Crateroides Major. Bright scarlet, the earliest of all, good for forcing.
Doz., 75c; 100, \$4.00; 1000, \$35.00.

Wonder. Bright rose, beautiful self colored variety.

Doz., 50c; 100, \$2.00; 1000, \$17.50.

Sunbeam. Rich orange, with crimson stripes.

Doz., 50c; 100, \$2.00; 1000, \$17.50.

Viridiflora (The Green Ixia). Flowers sea-green, with black eye. Doz., 75c; 100, \$4.00; 1000, \$35.00.

Extra Fine Mixed, per doz., 25c; per 100, \$1.25; per 1000, \$10.00.

### Leucojum Vernum

(Spring Snowflake)

PRETTY bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing in rich soil from 1 to 2 ft. high, and producing freely beautiful large white flowers, distinctly tipped with green; excellent for cutting. When once planted, they take care of themselves. Should have a place in all hardy collections particularly shady nooks: can be grown in pots. Per doz., 40c; per 100, \$2.25; (postpaid) per 1000, \$20.00.

### Lily of the Valley

AN old, well known favorite; principally used for winter forcing. Very fragrant and producing in abundance. For indoor culture, plant about 25 pips or roots in a 7-in. pot or pan, place in a warm temperature, 65° F., and shade from light until leaves and spikes are well developed then admit light gradually. An inverted pot over each potful answers admirably. This is the treatment for cold storage pips only. They bloom in from 18 to 21 days. We do not offer new pips this year. Plant clumps always in a shaded place, preferably moist. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Average weight of each clump is 3 lbs. Postage extra, as per rates on inside of front cover.

Vaughan's Perfection Pips. (From storage) These are specially selected and produce the largest sprays of bells. Cold storage stock bloom in about three weeks. (500 pips to a case).

Per half Case, \$11.00; per Case, \$21.00; per 1000, \$40.00. (Not less than half a case must be ordered).

Large Imported Clumps. For outdoor planting in a shady moist position; these will give better bloom than the pips. Each, 35c (postage extra); per doz., \$3.50; per 100, \$25.00 (exp.).



RANUNCULUS-Turban



CALLA LILY (See page 17)

#### Oxalis

MOST of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil, with considerable light, for their successful growth. Dozen and 100 prices include postage.

Alba. White. Per doz., 40c; per 100, \$2.50; per 1000, \$20.00.

Bermuda Buttercup. A profuse bloomer. The flowers, which are borne in clusters, are of a bright canary yellow, and make a beautiful contrast against the background of dark green foliage. Strong bulbs. Per doz., 35c; per 100, \$1.75; per 1000, \$16.00.

Boweii. Clear red. Per doz., 45c; per 100, \$3.00; per 1000, \$25.00.

Cernua Lutea. Yellow. Per doz., 45c; per 100, \$3.00; per 1000, \$25.00.

Cernua Lutea. fl. pl. (New.) Double yellow. Per doz., 45c; per 100, \$3.00; per 1000, \$25.00.

Deppei Speciosa. Light carmine. Per doz., 35c; per 100, \$1.75; per 1000, \$15.00.

Grand Duchess (Lavender, White or Pink). Flowers are large, often measuring 3 in. in diameter, and are borne well above the foliage, the leaves being large, clovershaped. Per doz., 35c; per 100, \$1.75; per 1000, \$16.00.

Hirta Rosea. Pink. Per doz., 35c; per 100, \$1.65; per 1000, \$15.00.

Mixed. Fine assortment. Per doz., 25c; per 100, \$1.50; per 1000, \$12.00.



MIXED IXIAS

Vaughan's Prepared fiber offered on page 11, is a clean and nutritious substance for growing bulbs in pots and bowls indoors.

#### Puschkinia Libanotica

AN exceedingly beautiful spring flower, somewhat resembling a Hyacinth or Campanula bell. The flowers are pure azure-blue and last a long time. Makes a very showy border, and very effective when planted in clusters on rockeries, or in the hardy plant border. It is perfectly hardy, and can be left undisturbed for years. Per doz., 40c; per 100, \$2.25; per 1000. \$18.50.

### Ranunculus (Buttercup)

NOTHING produces a brighter or more gorgeous effect in June and July than beds of Ranunculus; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil, but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tuber two inches under the surface. During dry weather the plants should be given abundance of water.

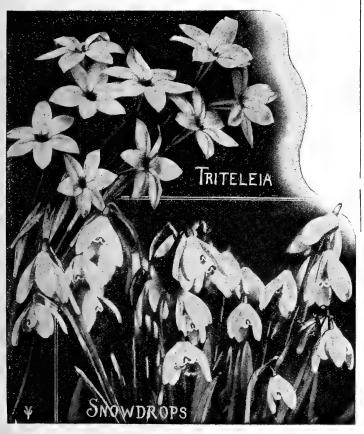
Prices Include Postage.

Frices include Fostage.	-		
	Doz.	100	1000
PERSIAN, Fireball. Vermillion	\$0.35	\$1.75	\$15.00
Hector. White pointed brown	.35	1.75	15.00
Mont Blanc. Pure white	.35	1.75	15.00
Zwarte Konig. Black		2.25	18.00
Mixed. All colors	.25	1.50	10.00
FRENCH, Princess Alice. Yellowish white	.35	1.75	15.00
Radetsky. Fine scarlet	.35	1.75	15.00
Sulphurex. Light brown	.35	1.75	15.00
Mixed. All colors	.25	1.50	13.00
TURBAN. Hercules. Pure white	.35	1.75	15.00
Merveilleuse. Orange-yellow	.40	2.25	18.00
Romano. Scarlet	.40	2.25	18.00
Mixed. All colors	.25	1.25	10.00

### Snowdrops (Galanthus)

IN early spring there is nothing more beautiful than graceful blossoms of the snowdrop. Beds and effects of surpassing beauty may be arranged with Snowdrops in the center, edged with Scilla Sibirica, or Chionodoxas. In beds of Tulips and Hyacinths, Snowdrops are very effective between the lines: they flower while these bulbs are just moving to the surface, and when the flowers are over there remains an elegant groundwork of green foliage. Used as a permanent edging, and in masses on the edges of lawns, nestling in the grass, they look charming. Snowdrops are easily flowered in pots during the winter.

Frices per dozen and 100 include postage.	Doz.	100	1000
SINGLE (Largest Bulbs)		\$1.75	\$16.00
DOUBLE (Largest Bulbs)	40	2.50	20.00





SCILLA CAMPANULATA

### Scillas (Squills or Wood Hyacinths)

A S edgings and masses in beds and borders, Scillas are most valuable, and produce a grand effect in flower and shrubbery borders, and are most valuable for wild gardens and woodlands, where they should be largely naturalized. They succeed in shady flower borders and bare shady places, and odd corners which often have a desert-like appearance in the flower garden can by their use be rendered bright and cheerful.

Prices per dozen and 100 include postage.
SIBIRICA (The Blue Squill)—Bright blue,

nothing more beautiful for edgings or pots in early spring, flowering with the Snow-drop. Height, 4 inches. 100 1000 ..\$0.50 Jumbo Bulbs..... \$3.00 \$22.00 Mammoth Bulbs..... 1.75 16.00Select Bulbs ..... 1.50 13.00  $1.75 \\ 1.75$ 15.00 15.00 Rosea. Fine rose (15 in.) ..... 17.00

### **Sparaxis**

 ${f B}^{
m EAUTIFUL}$  flowers, about 2 inches across, borne on long, graceful spikes; the colors are of the most telling combinations and of the brightest shades.

Price, per doz., 35c; per 100, \$1.75 (postpaid); per 1000, \$15.00.

### Spiraeas (Ready in November)

THESE are remarkably elegant and graceful plants; with large heads of pink and white flowers, and are strongly recommended for early forcing. Use as small a pot as the clump will conveniently fit in, with good drainage, and water regularly twice a day. If by Parcel Post, each clump weighs from 1½ to 2 lbs.

GLADSTONE. Produces enormous spikes of pure white flowers and resplendent with foliage of beautiful green.
Each, 35c; doz., \$3.50.

QUEEN ALEXANDRA (Pink). Of a clear pink color. does not fade with age, with dense compact spikes. Each, 35c; doz., \$3.50.

#### Triteleia Uniflora

A PRETTY little blue and white flower for edging beds and borders of taller spring flowering bulbs. (4 in.)

Price, per doz., 25c; per 100, \$1.50 (postpaid); per 1000, \$10.50.

### Trillium Grandiflorum

NATIVE WOOD LILY. Flowers pure white, turning in a few days to a soft rose. Very hardy. (12 in.) Price, per doz., \$1.00; per 100, \$7.00 (postpaid); per 1000, \$50.00.

## ANNUALS

#### FOR FALL PLANTING

One pkt. each, nine varieties 50c; or they may be purchased separately at prices attached.

Late last Fall we planted in our Nursery at Western Springs, Ill., seeds of a few hardy annuals to discover what varieties would give the best results in this latitude. Early in June of this year, before the Annuals which were planted this Spring were in bloom, the following from fall-sown seed were in bud and full flower:

Antirrhinum, Vaughan's Special Mixture	
Brachycome Iberidifolia, (Swan River Daisy) Blue	.05
Candytuft, Giant Hyacinth-flowered White	.10
Calendula, Orange King	.05
Calliopsis Drummondi, Golden Wave	.05
Centaurea Cyanus (Double Lawson Pink Cornflower)	.10
Centaurea Cyanus (Double Blue Cornflower)	.10
<b>Delphinium,</b> Double Giant Hyacinth-flowered Mixed	.05
Hunnemannia Fumariaefolia (Bush	
Escholtzia)	.10



PANSY-Vaughan's International Mixture

## PANSIES

### Vaughan's Giant Mixture

Includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals.

½ oz., \$1.00. Large pkt. (250 seeds), 25c. Small pkt. (125 seeds), 15c.

#### Vaughan's International Mixture

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and one which we maintain most carefully, not alone as to quality, but in vitality and germination.

Price, 5 pkts., \$1.00; 3 pkts., 65c; per pkt. (250 seeds), 25c; ½ oz., \$1.75.



#### **GIANT PANSIES**

1 packet each, Ruby Red, Pure White, Violet Blue. Prepaid, 25c.

2552 Red, White and Blue, Mixed, Pkt., 15c.

## SWEET PEAS

#### -10 Best Sweet Peas-

Price, One (regular size) packet of each, 10 for 50 cents, postpaid. If bought separately would cost 95c.

We cannot make any change in varieties.

Orange—Thomas Stevenson
Red—King Edward VII
Bicolor—Mrs, Cuthbertson
Azure Blue—Margaret Madison
Deep Pink—Hercules
Picotee—Blue Picotee

Rose Pink on Cream Ground— Margaret Atlee

White—King White
Maroon—Nubian
Purple—Royal Purple

### Liberty Collections

### Spencer Sweet Peas

No. 1 1 pkt. each King Edward VII. (Red), White Spencer (White), Flora Norton (Blue), three packets prepaid for.....15c

No, 2 1 pkt. each, Vermilion Brilliant (Red), King White (White), Captain of the Blues (Blue).....three packets prepaid for 20c

## Early Flowering Long Season Spencer

THE happy possessor of a greenhouse may plant these at once inside for blooming in midwinter, and the owner of a garden may plant these in late 3983 Early Heather Bell. The color is a rich but Pkt pleasing mauve, but after standing in water be-November or early December in the open ground, just before the ground is comes a beautiful mauve lavender..... frozen, so that germination may take place early in the Spring before the ground is usually in condition to be worked. Sweet Peas planted in the fall produce a \$0 20 Winter Flowering Asta Ohn. The best lavenbetter root growth, and these early-flowering varieties bloom before the warm 25 weather overtakes them in midsummer. Winter Flowering Wedgewood. A magnifi-All packets contain 30 seeds 3985 Pkt. 25 3968 Mrs. A. A. Skaach. Bright shell pink........\$0.80 \$0.10 3970 Mrs. William Sim. Salmon pink..... Winter Flowering Cream. It has immense 10 3986 blossoms very frilled and duplexed..... 25 Mrs. M. Spanolin. Black-seeded white...... 3971 10 3972 Pink and White. Blanche Ferry type...... 10 3987 Winter Flowering Helen Lewis. Salmon-pink 25 President Woodrow Wilson. Magenta-rose... 10 Early Morning Star. Deep orange-scarlet or 3988 Rose Queen. One of the best pinks; true..... 100 3975 15 flame color in standard, with rich orange-pink 20 3976 Selma Swenson. Clear light soft pink...... 10 Lavender Pink..... 3977 10 3989 Early Song Bird. Flowers are borne on long stems in threes and fours of a beautiful pale pink 20 3978 Venus. Standard white, blushed pink wings... 10 3979 White Orchid. White flowers of good substance 10 Early Melody. This is a deeper shade of pink 3990 than "Early Song Bird" on white ground, closely 3980 Yarrawa. The color on opening is rose, changing resembling "Countess Spencer"..... 20 as the flower develops to a light pink standard, tinted buff with blush wings..... 10 Early Spring Maid. Light pink on a cream 3991 20 3981 Early Snow Flake. Blossoms large, pure white. 20 ground ..... 3982 Winter Flowering Hercules. Of the same lovely 3992 MIXED. Winter Flowering Spencers, many 25shade of pink as Countess Spencer..... kinds......\$0 70 10



CROTON



Decorative Plants

### FOR HOUSE AND CONSERVATORY

THESE make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from \$2.00; \$3.00, \$5.00 and up to \$30.00 in some varieties.

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

Plants by Mail. Small plants, when ordered at the "each" price, will be sent by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Small orders, accompained by extra money for postage, will be sent by mail if so instructed; a list of postal rates for the different zones will be found on inside of front cover. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. We strongly urge this method of transportation, as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.



DRACAENA MASSANGEANA



DRACAENA TERMINALIS

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U.S.A. or Canada when sent by express. If forwarded in any other manner they are entirely at the risk of the

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration.  $2\frac{1}{2}$  inch each 15c; doz. \$1.50;  $3\frac{1}{2}$  inch each 25c; doz. \$2.50.

Sprengeri. Suitable for hanging baskets and porch boxes. 21/2 in. pots, each 15c; doz. \$1.50. 4 in. pots, each 25c; doz. \$2.50.

AUCUBA Japonica Variegata (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, each, \$1.00; 3 for \$2.75; 24 to 30 in. high, each \$2.00; 3 for \$5.50. If wanted in tubs add 50 to the above prices.

BOUGAINVILLEA Sanderiana. A popular plant for Easter. Its brilliant rosy crimson flowers are produced from early in March until midsummer. Small Plants, Each, 25c. 5 in. pots, \$1.00; 10 in. pots, \$6.00.

CALADIUMS, Fancy Leaved. Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Dormant bulbs, ready in January, each 30 cents; 6 for \$1.50; doz. \$2.50, postpaid.

CHRYSANTHEMUMS. Bush plants in bloom, ready for delivery from October 20th to November 20th, in all colors. 75c; \$1.00; \$1.50; \$2.50; \$4.00 and \$5.00 each.

CROTONS. The richest of all variegated plants, fine for indoor culture. Plants, each 50 cents; specimens, each \$1.00, \$1.50, \$2.00 and \$3.00 (by express).

CYCAS (Sago Palm). Plants in leaf, \$1.00 to \$3.00.

CYCLAMEN, Dark Crimson, Dark Rose, White and Pink. 4 in pots, each 50c; 5 in. pots, each \$1.00; 6 in. pots, \$1.50 to \$2.00 each (by express).

CYPERUS ALTERNIFOLIUS. brella Plant). Excellent house or aquatic plant. 3 in. pots, each 15c; 4 in. pots, each 25c.

DIEFFENBACHIA Magnifica (Shin-ing Comb.) Green foliage, variegated with whitish striated blotches. Each, 50c to \$1.00.

DRACAENA Imperialis. Robust growing dark green foliage with bright pink shadings and edgings in the young growth. Each, 75c to \$3.00.

Fragrans. An excellent house plant with broad dark green foliage, grows under the most adverse conditions. Each, 50c to \$1.00.

Massangeana. A beautiful variegated form of Fragrans with broad green foliage, broad golden yellow band through the center of each leaf. Each, \$1.50 to \$2.50.

Terminalis. Rich crimson foliage, marked with pink and white. Each, 50c to \$1.00.

FERNS, Boston. Long, gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. 20 cents each; 3 for 50 cents, postpaid. Larger plants, 50 cents, 75 cents, \$1.25 each. Specimens, \$3.00 to \$6.00. All by express.

Cyrtomium Rochfordianum (Holly Fern). Withstands varying temperatures, making it a useful house plant. 4 in. pots. Each 35c.

Nephrolepis Whitmani (Ostrich Plume Fern). Finely divided fronds, resembling a plume. 20 cents each; 3 for 50 cents, postpaid. Larger plants, 75 cents and \$1.25 each (express).

Adiantum Hybridum (Maiden Hair). Each 20c; 3 for 50c, postpaid.

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. 15c each; 3 for 40c; 10 for \$1.00 postpaid.

FICUS Elastica (Rubber Tree). Well-known reliable plant for rooms and halls. Strong plants, \$1.00 to \$1.50 each, by express.

FICUS Repens. A trailing or creeping variety with small foliage; useful for baskets. Small plants, each 20 cents; 3 for 50 cents postpaid. Larger plants, each 35 cents. (Express.)

LEMON VERBENA. Inc. Each, 15c; doz., \$1.50. Indispensable for the delightful fragrance of its leaves.

PALMS. We have Kentia Belmoreana and Forsteriana, [and Phoenix Roebelenii; fine plants at \$1.00. to \$6.00.

PANDANUS Veitchii. Variegated green and white. \$1.00, \$2.00 and \$3.00 each. (Exp.)

PRIMULA Obconica. No other winter flowering plant can approach this beau-tiful Primula. The colors are perfectly clear and of great brilliancy pure white, enchantress-pink, clear rose and brilliant car mine. 2½ in. pots, each, 15c; doz., \$1.50. 4 in. pots, each, 35c; doz., \$3.50. PEPPER Christmas Joy. 4 in., each, 35c. 5 in., each, 50c.

Cluster, 4 in., each, 35c. 5 in., each, 50c.

SOLANUM

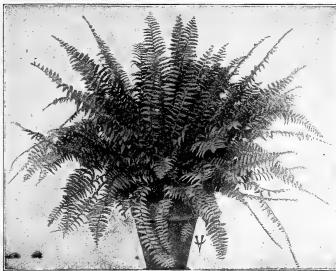
Cleveland (New) 4 in., each, 50c. 5 in., each, 75c. Melvini, 4 in., each, 35c.

5 in., each, 50c. SCILLA Maritima (Sea Onion.)

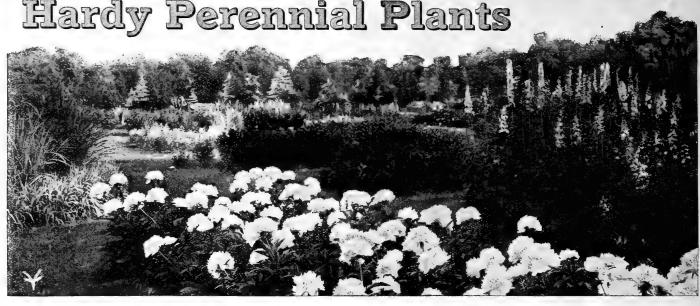
ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. Each, 25c and 35c.

TRADESCANTIA Tricolor. (Wandering Jew). Most beautifully variegated purple, scarlet and white. Each, 10c; doz., \$1.00.

SANSEVIERIA Zeylanica. An ele-gant variegated plant especially adapted for house decoration, the thick, leathery leaves standing the heat and dust house with impunity. Each, 75c.



**BOSTON FERN** 



### Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

be our own.

We cannot furnish list of varieties in these collections but will send out everything labeled.

No. 21—Hardy Plants

No. 22— " 50 " " 50 0

No. 24— " 100 " " " 50 0

No. 24— " 250 " " 23 00

No. 25— " 500 " " 45 00

No. 25— " 1000 " " " 85 00

#### Plants and Bulbs for Spring Effect

All the varieties of plants marked thus § in the following lists are especially desirable for planting in the fall with bulbs—more particularly with Daffodils, and Darwin and Cottage Tulips. The majority are of dwarf habit, perfectly hardy and produce striking effects as edgings or carpeting to beds or borders where bulbs are planted.

#### About Prices

Where the price each is given, the following are our rates for 3 of a kind unless otherwise noted.

Each	3 for 1	Each 3	or
\$0.10	.\$0.25	\$0.35\$1.	00
J5 per 100, \$10.00		40	10
20 per 100, 12.00		45	25
25 per 100, 15.00		50	40
30	80		

#### Parcel Post

The following are the approximate weights of plants which can be sent by Parcel Post. Parcel Post rates are given on inside of front cover, and on order sheet of this catalog. Please add postage at zone rates.

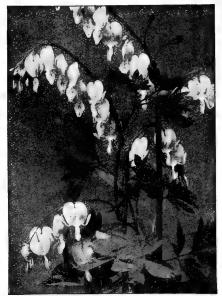
| 3 Plants | 6 Plants

			0 1 10	
Plants, in 2½-inch paper pots	1	lb	2-3	bs.
Plants, in 4-inch paper pots	3-4	66	7-8	46
Perennial Plants, (Paper wrapped)	1½-2	Es.	3-4	66

Botanical Name.	Common Name. Flowering Period.	Color. Height.	Each.	Dos. Use, Soil, Position, Etc.
Eupatorium, Parke Ptarmica, Boule de Perry's White (N	Milfoil. Yarrow.  Im. June-Aug. er's Variety. June-Aug. e Neige (Ball of Snow). June-Aug. lew). June-Aug. June-Aug. June-Aug.	.Yellow	20c 20c	2.00 Achilleas are of easy culture and grow in any good garden 2.00 soil. They are useful for the border, wild garden or 2.00 shrubbery; also for cutting.  2.00 Perry's White is a new variety and is the best of its class.
ACONITUM Spark's Variety	Monkshood Sept-Oct	Dark Blue5 ft	25c	2.50 Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. Spark's variety is a rare plant and darkest of all.
§AJUGA Reptans Atropurpu	reaBugleweedMay	Blue to Rose3 to 6 in	n20c	$\Big\}$ Useful for rockery and ground carpet, especially in places 2.00 $\Big\}$ too shady for grass.
	Madwort  umGold DustMay-June	.Golden Yellow1 ft	20c	Showy spring-flowering plants. Valuable for front row $2.00$ $\biggr\}$ in border or rock garden.
Myosotidiflora	Alkanet Variety May-June May-June May-June	.Bright Blue 1 ft	35с	2.00 Forget-Me-Not like, blue flowers, borne in great pro- fusion. One of the best blue perennials, coming into 3.50 bloom before the Delphinums, and continuing in flower 2.00
ANEMONE Japonio	ca These should be planted in the spri	ng.		
	MargueriteMay-JulyJune-Sept			2.00 These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow, Tinctoria being of a lighter shade than Kelwayi; both are very floriferous.
Chrysantha	Columbine.  June-Aug.  Mixture  June-Aug.	. Golden Yellow 3 ft True Blue 1 ft Mixed 1 ft Beautiful Pink 1 to 1; White 2 ft Mixed 1½ to	20c 20c 20c ½ ft.20c 20c 2 ft.25c	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
ARABIS §Alpina Flora Pler	naRock CressApril-May	Double White6 in	25c	Arabis thrives well in a hot, dry situation and makes a good covering for walls or rock garden, also front row in hardy border, and can be planted in beds filled with Hyacinths and Tulips in Fall.







A very handsome border plant, with graceful, finely-cut

2.00 Tall graceful spikes of long tubular flowers somewhat resembling Foxglove bells. A very bright and attractive plant.

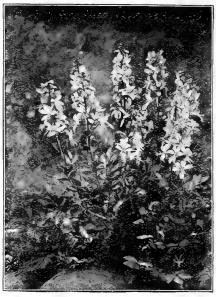
2.00 | foliage, and yellow pea-shaped flowers.

ACHILLEA	-The Pearl		CAMPANUL	(Canterbury	3ell)	DIELYTRA (Bleeding Heart)
Botanical Name ARMERIA  §Laucheana	Common Name Thrift, Sea Pink	Flowering Period			Doz.	Use, Soil, Position, Etc.  Armerias require a well drained loam. A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.
ARTEMISIA Lactiflora		SeptOct	.White	.4-4½ ft20c	2.00	A useful class of plants either for the perennial border or the shrubbery. This variety is especially desirable, pro- ducing long, graceful panicles of creamy white flowers.
ASCLEPIAS Tuberosa	.Butterfly-Weed	June-Aug	.Bright Orange	.2 ft20c	2.00	Requires good, deep soil and full sun. Fine for cutting; should be in every collection on account of its splendid color.
ASTER (Hardy) Novae Angliae Novi Belgii Climax Wells' White St. Egwin		Sept-Oct Oct-Nov	.Lavender Blue	.5 ft20c .3-4 ft20c	2.00 2.00 2.00 2.00	Splendid Autumn-flowering plants, preferring a partly shaded location. All are graceful and decorative cut flowers.  Climax and Wells White are of the new Michaelmas Daisy type, having flowers 1½ in. and more in diameter.
§BELLIS Perennis	.English Daisy	April-June	.Pink or White	.6 in10c	1.00	Valuable for edging beds or clumps in front of border.
&BLEEDING HEART	See Dielytra	May-June	.Pink	2½ in	2.50	Pendulous sprays of pink flowers.
BOCCONIA Cordata	.Plume Poppy	July-Aug	·Creamy White.	.6 ft20	2.00	A beautiful, tall growing, hardy perennial, fine for back of borders, planting amongst shrubbery, or for center of large pereennial beds. Will thrive in ordinary garden soil.
BOLTONIA Asteroides Latisquama					2.00 2.00	This Aster-like hardy plant is useful for cutting, remain- ing in bloom a long time; requires good rich soil and an open situation in border or shrubbery.
BUDDLEYA Variabilis Veitchiana	Butterfly Bush	July-Aug	.Mauve	.3 ft(Plant in	Spring)	A small shrub bearing exquisite tapering spikes of lilac mauve flowers; requires same protection as roses during winter.
CAMPANULA Carpatica	Peach Bells	June-Aug June-Aug r.Sept	.White	1 ft20c 2 ft25c 4-6 ft20c	2.00 2.00 2.50 2.00 2.00	A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. They are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more.
CARNATION Grenadin White Grenadin					2.50 2.50	After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double red and white flowers, produced in succession all summer. Make excellent beds and edgings, and valuable cut flowers.

Marylandica.......American Senna......Aug.-Sept......Yellow........2½ ft.....20c

Barbatus Torreyi,,,,..............July-Aug.......Coral Red.....3 ft.......20c







COREOPSIS LANCEOLATA

Common Name

Flowering Period

Botanical Name

DICTAMNUS FRAXINELLA (Gas Plant)

Height

Each Doz.

Color

DELPHINIUM-Gold Medal Hybrids

CHIVES	Fine for seasoning	; <b></b>		15c	\$1.50	Used for Culinary Purposes.
Mrs. Lothian E	M Hardy Daisy )Shasta Daisy  Sell	June-July	White	3 ft <b>20c</b>	2.00 2.00 2.00	Fine hardy border plants, their being produced in great profus for cut flower purposes, lasting is an extraordinary fine flower, very fine.
CIMICIFUGA Dahurica Simplex	Snake Root	July-Sept Sept	Creamy WhiteWhite	3 ft25c 3 ft25c	2.50 2.50	Valuable border plants, on acco flowering period. Thrive well very showy flower.
	Tickseed				2.00 2.00	One of the most popular hardy rich golden yellow of a beauti are indispensable for cut flowe tinuous supply from early sum
DAISY Mammoth Pink	English Bachelor	's Button All Summer	Pink or White	6 in10c	1.00	Indispensable for edging beds, be in any soil, but prefer a partiall
DAISY (Shasta)—Se	ee Chrysanthemum M	aximum	************		}	A very excellent bright border cutting, lasting a long time in w
Semi Plena	Perennial Larkspu	May-Sept May-Sept	Sky Blue	2 ft <b>50c</b>	2.50 5.00	Few plants are so handsome in nial Larkspurs. There are man but the most important are t there are many varieties with a They are valuable for their varying from 1 to 6 feet, for the
Album	Chinese	June-Aug	White	3 ft <b>20c</b>	2.00 2.00 2.00	of color, varying from the pales conceivable shade of blue to de a great variety in the size and blooms, some are single, some perfectly double. They thrive
Moerheimi Mrs. Thompson	n I Medal Hybrids	July-Aug	White	5 ft35c	3.50 3.50 3.00 2.50	or soil, and are easily increase A good, deep, rich soil will reproduced by the control of the c
Deltoides Diadematus Latifolius Atro-C	Hardy Garden Pir	May-Oct May-Aug June-Sept May-June	Rose	15 in20c 12 in15c	2.00 2.00 1.50 2.00	These very desirable sweet-see blooming and free flowering Hai equalled for the borders of beds old-fashioned garden, and should any good garden soil with full s We would especially call atte
	proved		Mauve Dble. Dark Red	12 in20c 2 ft20c	2.00	Napoleon III which, although a flowers on good, long, stiff stem dark red carnation. It is perfec
DIANTHUS BARBA	ATUS. See Sweet-Will Gas Plant	liam.			)	than any hardy carnation know
Caucasicus	Gas Flant	June-July June-July June-July	Rosy Pink Pink White	2½ ft25c 3 ft25c 3 ft25c	2.50 2.50 2.50	An odd plant of vigorous growth odor. The flowers will give a summer evening if a lighted man
DIELYTRA §Spectabilis	Bleeding Heart	May-June	Pink	2 ft <b>25c</b>	2.50	So-called from its drooping her thrive in any part of the hardy in pots and planting in shady loam.
DIGITALIS	Foxglove		Pink, Purple,			This old-fashioned summer flow known as Foxglove, thrives in all
Gloxiniaeflora Mi Vaughan's Specia	ixed	July.Aug	White and Mixed	1.4-5 ft <b>20c</b> 3-5 ft <b>20c</b>	2.00	conditions; makes a fine plant for grouping in beds; prefers a light, Our Special Mixture contains

Use, Soil, Position, Etc.

eir large Daisy-like flowers rusion. They are splendid ag well. King Edward VII r, Mrs. Lothian Bell is also

count of their late and long ll in shade. Simplex is a

y plants, the flowers are a ttiful graceful form. They wer purposes giving a con-mmer to autumn.

borders or graves; will grow ally shaded position.

er plant, and splendid for water.

in the garden as the perennany species in cultivation,
the tall hybrids, of which
a wonderful ronge of color,
or great variety in height,
their great variety in shades
lest lavender through every
deep indigo. There is also
d form of their individual
me semi-double and some
we in almost any situation
ased, being perfectly hardy,
epay with larger and better

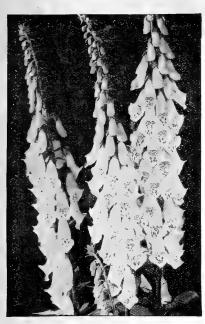
wing to our careful selection igh class strain, and contain mi-double, equal to many me houses.

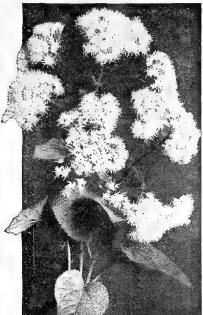
cented, low-growing, early lardy Garden Pinks are un-ds, carriage drives, and the ald be planted in quantity in It on and an open situation.
Itention to our improved
a dark red, produces large
ems and resembles a good
feetly hardy and is better

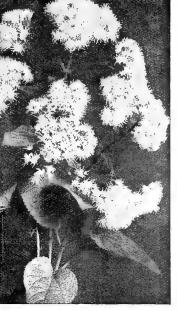
orth, emitting a strong lemon a flash of light on a sultry natch is held near them.

neart-shaped flowers; will y border; good for forcing y places; likes rich, sandy

lowering plant, commonly almost any soil under all for the back of borders or at, sandy loam. s some very fine varieties, Our Special Mixture contains in a wonderful range of colors,







DIGITALIS—(Foxglove)

**EUPATORIUM AGERATOIDES** 

GALEGA HARTLANDI

			•
Botanical Name.	Common Name. Flowering Period. Color. Height.	Each. Dog	Use, Soil, Position, Etc.
ECHINACEA Purpurea	Cone Flower  July-SeptReddish Purple3 ft	20c 2.0	This is a well known native flower, noticable and strik fing in clumps in almost every hardy border.
	Flea Bane June-OctLavender Blue1 ft	35c <b>3.</b> 50	Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting. Amos Perry is a new and much improved variety.
	Sea Holly		Care involveble for outting from June to Sentember and
	Thorough Wort		7 5002 222000 11200 2011010 12 11210 1101011
Subcordata Grand Thomas Hogg	Day Lily	25e 2.5e	by dainty illy-like flowers in terminal racemes. Effective of in front of shrubbery, under trees. or any shady position where they thrive best. They will grow in any good
GWILLWIN	Blanket Flower d (Per 100, \$10.00)June-OctMixed	15c 1.5	Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer One of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble.
GALEGA Hartlandi, New	Goat's Rue June-JulyLilac and White3 ft	20c 2.0	Covered in summer with racemes of small, lilac colore pea-shaped blossoms, valued for cutting. This form i far in advance of the old officinalis type, and should have a place in all hardy flower borders, and where cut flowers are in demand. Likes a rich, loamy soil.
GEUM Mrs. Bradshaw	Avens	25c 2.5	An exceedingly attractive border plant, flowering durin the whole summer and fall. The flowers are large an semi-double and last well in water when cut. Thrive in sun or partial shade.
GRASSES	For foliage only		Ornamental Grasses can be used with telling effect is
Erianthus Ravenn	naeHardy Pampas		hardy pampas grass is the tallest grower, frequently
	a Univittata	25c 2.5	reaching 10 feet high. The Eulalias are very prett and graceful; Univittata being green with a whit midrib. The Variegated ribbon grass is an old favorit
Variegata	Ribbon Grass	20c \$.0	and is often used for border work or naturalizing in th wild garden.
GYPSOPHILA			Large graceful sprays of double white flowers; splendi-
Paniculata	Baby's BreathJuly-AugWhite	20c 2.0	,
	Sneeezewort  rbum		planting, and thrive in kny soil and are good for speci
	Hardy Sunflower SeptOctGolden Yellow6 ft SeptOctDouble Yellow5 ft		/ lost so long in water. Deing neavy leeders they reduir
HELIOPSIS Gratissima	June-AugDouble Yellow2½ ft	25c 2.5	A very brilliant border plant, resembling a double sur
	_		







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	GAILLARDIA		HELIAN	THUS—Double		HEMEROCALLIS (Yellow Day Lily)
Botanical Name.	Common Name.	Flowering Period.	Color.	Height. Each.	Doz.	Use, Soil, Position, Etc.
HELLEBORUS Niger	Christmas ]	RoseWinter	White	1 ft35e	3,50	Flowers white, faintly tinged rose. If grown in cold, frame, or under glass, will flower at Christmas, or earlier, flowers turning pure white. You can cut flowers from underneath the snow at Xmas—try it.
Flava Florham Kwanso Fl., Pl.		/ LilyJune-JulyJune-JulyJuly-AugJuly-AugJune-JulyJuly	. Rich Yellow Yellow Rich Yellow Orange Double	2 ft20c 3 ft15c 3 ft30c	5.00 2.00 1.50 3.00 2.00 2.00	The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the waterside and like lots of moisture. Mixed with Hardy Iris they are very effective.
§Brizoides Gracilli	Alum Root	May-Junel	Rosy Carmine Coral Pink	2 ft25c 1½ ft25c	2.50 2.50	They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine and scarlet flowers make them invaluable for cutting.
HYPERICUM Moserianum		ort July-Sept( arvel) Plant in Spring		3 ft2 <b>5c</b>	2.50	A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups, the branches being literally laden down with them. A most desirable plant for sunny situations.
Hollyhocks  Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large flowers of the most lovely shades of color. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental beneficial.  Particle Par						
Double White, Pink Blood Red	s, Kose, Yellow,	t in Spring.	legheny Mixed, semi-double and si	nglePlant in S	pring.	Double Mixed Old Fashioned Single, mixed
Botanical Name	Common Name Fl	owering Period	Color	Height Fach	Dos	Has Sail Besition Et

Common Name Flowering Period Color Height Each Dos. Use, Soil, Position, Etc. 1.50

Dwarf evergreen plants covered with blooms in Spring and during early Summer. Especially suited to border and rockwork and edging beds of late Tulips and Narcissi. Sempervirens is fine for edging shrubbery or borders and will thrive in any good soil. **IBERIS** Hardy Candytuft Gibraltarica......April-May.....Lilac Mauve......12 in......15c INCARVILLEA Hardy Gloxinia 2.50

2.50 LAVANDULA

Lovely Chinese plants for sunny situations, producing spikes of elegant, Gloxinia-like flowers, arranged in clusters with foliage gracefully cut. Plant in light sandy soil,

2.00 } 2.00

Delightfully fragrant flowers, much used when dry on account of their sweet odor. We offer the true variety.

Hardy Perennials are the most satisfactory of all Flowers because of their permanent character and natural beauty.

### Vaughan's Hardy Irises Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. In colors there are the richest yellows, the most intense purples and delicate blues, the softest mauves and very beautiful claret-reds. There are also whites, and primroses, and bronzes of every imaginable shade—indeed, language fails us in picturing all the beauties of this flower, and our descriptions, in consequence, fall far short of the reality. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. Each, 25c; doz. \$2.00.

Alcazar. "S" Violet with bronze sheen; "F" violet; very large and handsome. Each, 25c; doz. \$2.00.

Archbishop (Archeveque). (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. Each, 40c; doz., \$4.00.

Black Prince (Kochi Atro-purpurea). "S" Purple lilac; "F" velvety black. A very striking dark flower. Each, 25c; doz., \$2.00; per 100, \$12.00.

Black Prince. (Barr). "S" Soft purple lilac; "F" rich velvety black; large flower, free blooming. Each, 75c; doz., \$8.00.

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Black Prince. (Barr). "S" Soft purple lilac; "F" rich velvety black; large flower, free blooming. Each, 75c; doz., \$2.00.

Candelabre. (New.) "S" Mauve and purple; "F" Violet, with white and black veins.

Each, 25c; doz., \$2.00.

Canary Bird. Clear yellow, feathered and mottled reddish brown. Each, 20c; doz., \$2.00.

Caprice. (New.) "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises.

Each, 20c; doz., \$1.80; per 100, \$12.00.

Celeste. Fine satiny blue. One of the most beautiful of German Irises. Each, 20c; doz., \$2.00.

Charles Dickens. "S" Blue; "F" Blue suffused dark purple. Each, 30c; doz., \$1.50; per 100, \$20.00.

Crepuscule. "Standards" and "Falls" delicate violet purple, quite devoid of markings. Immense flowers on long stems, Early. Highly recommended. Each, 35c; doz., \$3.60; per 100, \$25.00.

Clio. White "Standards;" olear blue falls. Each, 30c; doz., \$3.60; per 100, \$25.00.

Clio. White "Standards;" olear blue falls. Each, 30c; doz., \$3.00; per 100, \$25.00.

Clio. White "Standards;" olear blue falls. Each, 30c; doz., \$3.00; per 100, \$25.00.

Clio. White "Standards;" olear blue falls. Each, 30c; doz., \$3.00; per 100, \$20.00.

Clio. White "Standards;" olear blue falls. Each, 30c; doz., \$3.00; per 100, \$20.00.

Clio. White olean per vellow; "F" Vilear and primrose. Each, 15c; doz., \$1.50.

Dorothea. (New.) "S" Coppery bronze; "F" Velvety crimson. Very handsome. Ea., 20c; doz. \$1.80.

Edward Michell. (New). Tall spikes of flowers splendidy shaped. "S" Broad; "F" Long and wide. The whole flower is deep wine red. Each, 75c; doz., \$8.00.

Eldorado. (New.) "S" Broaze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. Each, 35c; doz., \$3.00; per 100, \$

ord Salisbury. "S" Amber white; "F" Dark violet purple. Each, 15c; doz. \$1.50; 100, \$8.00.

Lord Seymour. Very much like Mme. Chereau, but "S" are a more delicate pale lavender. Each, 35c; doz., \$3.60.
Loreley. "S" Light Yellow; "F" Ultramarine blue, bordered cream.
Each, 20c; doz., \$2.00; per 100, \$12.00.

Each, 20c; doz., \$2.00; per 100, \$12.00.

Lou Fuller. In our estimation, the best yellow; vigorous grower, free flowering. Clear pumpkin-yellow with a greenish sheen in the "Falls." Each, \$1.00.

Loute. "S" Light blue and heliotrope; "F" reddish purple and bronze. Flower of majestic proportions and striking color. Each, 75c; doz., \$8.00.

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white; with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall.

Each, 20c; doz., \$1.20: 100. \$6.00. Each, 15c; doz., \$1.20; 100, \$6.00.

Each, 15c; doz., \$1.20; 100, \$6.00.

Mme. Pacquette. Bright rosy claret, early and beautiful. Sweet scented. Each, 20c; doz., \$2.00; per 100, \$12.00.

Maori King. "S" Golden Yellow; "F" Velvety maroon margined gold. Each, 20c; doz., \$2.00; per 100, 12.00.

Mars. "S" Light yellow; "F" Pale yellow with violet blotches. Each, 15c; doz., \$1.20; per 100, \$6.00.

Minos. "S" Coppery bronze; "F" Deep claret, veined white Each, 15c; doz. \$1.20; per 100, \$6.00.

Monsignor. Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencilings at throat. A truly magnificent specimen. Each, 35c; doz., \$3.60; per 100, \$25.00.

Mrs. H. Darwin. "S" Clear waxy white; "F" White, violet veins. Each, 15c; doz., \$1.20; per 100, \$8.00.

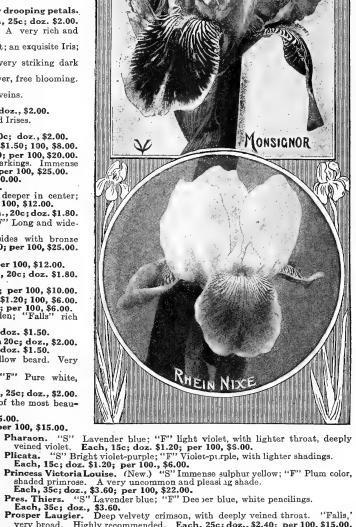
Mrs. Newbronner. A beautiful deep self-yellow. Very fine. Each, 20c; doz., \$2.00; per 100, \$12.00.

Nelly. "S" Blue; "F" clear white with blue veining and blotches. Each, 25c; doz., \$2.00.

Nelly. "S" Blue; "F" clear write with SEach, 25c; doz., \$2.00.

Oriflamme. "S" light blue, "F" violet purple; e tra fine large flower.

Each, 25c; doz., \$2.00.
Oriflamme. "S" light blue, "F" violet purple; ettra fine large nowet.
Each, 80c; doz., \$9.00.
Pallida Dalmatica. One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue.
Each, 30c; doz., \$3.00.; per 100, \$20.00.
Pallida Mandraliscae. Rich lavender-purple, large and handsome.
Each, 25c; doz., \$2.00; per 100, \$12.00.
Peacock's Eye. "S" Olive yellow; "F" Brownish, shading to a clear yellow.
Each, 35c; doz., \$3.60.



Each, 35c; doz., \$3.60.

Prosper Laugier. Deep velvety crimson, with deeply veined throat. "Falls,' very broad. Highly recommended. Each, 25c; doz., \$2.40; per 100, \$15.00.

Queen Alexandra. "S" and "F" Bronzy-mauve. Very fine free-blooming variety. Each, 25c; doz., \$2.40.

Queen Emma. "S" aud "F" clear waxy-white. The best of this color in our entire collection. Each, 35c; doz., \$3.60.

Queen of Gipsies. "S" Pale bronze or muddy lavender; "F" violet, with deep violet veins and golden beard. Each, 15c; doz. \$1.50; per 100, \$10.00.

Queen of May. "S" Lilae Pink; "F" Lilac, blended with white; distinct. Each, 20c; doz., \$2.00; per 100, \$12.00.

Rhein Nixe. (New.) "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. Each, 40c; doz., \$4.00.

Stenophylla. "S" Pale blue, indistinct stripes. "F" darker. Tall.

Each, 15c; doz., \$1.50; per 100, \$10.00.

Stormcloud (Nuee d'Orage). (New.) Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. Each, 50c; doz., \$5.00.

Tamerlane. (New.) "S" Pale violet; "F" deep purple. Magnificent, tall, bold. Each, 50c; doz., \$5.00; per 100, \$35.00.

Trautlieb. "S" and "F" lovely uniform rose; very striking.

Each, 20c; doz., \$2.00; per 100, \$12.00.

Venus. "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground.

Each, 15c; doz., \$1.20; per 100, \$6.00.

Violacea Grandiflora. "Standards" and "Falls" clear violet blue. The best true blue. Each, 40c; doz.; \$4.00.

HARDY IRIS SPECIAL MIXTURE. Doz., \$1.00 (postpaid); (by express) per 100, \$5.00, per 100, \$45.00.

(Exp.) "Cart 100 \$5.00; per 100, \$45.00.

HARDY IRIS SPECIAL MIXTURE. Doz., \$1.00 (postpaid); (by express) per 100, \$5.00; per 1000, \$45.00. (Exp.) (25 at 100 rate, 250 at 1000 rate.) GOOD MIXTURE. For large plantings and naturalizing, splendid

value; per 100, \$3.00; per 1000, \$25.00 (exp.)



MYOSOTIS (Forget-me-Not)



LOBELIA CARDINALIS



MERTENSIA VIRGINICA

### HARDY IRIS—continued

#### Iris Sibirica

Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with deep blue flowers. Each, 15c; doz., \$1.20. Superba. Brilliant blue.

\$10,00.

Each, 15c; doz., \$1.50; per 100,

## Iris Pumila Hybrida

DWARF variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Each, 15c; doz., \$1.50.

Snow Queen. Snow-white flowers borne on strong erect stems.
Each, 15c; doz., \$1.50; per 100, \$10.00. Florida. Beautiful lemonyellow shaded darker. Each, 15c; doz., \$1.20; per 100, \$6.00.

#### Iris Pseudacorus

 $T^{\rm HIS}$  is the common yellow Water Flag Iris. Splendid for naturalizing near ponds and streams. Each, 15c; doz., \$1.40.

### Liberty Collection

One of each, 50c

MME. PACQUETTE, CELESTE,

MRS. H. DARWIN

Red, White and Blue

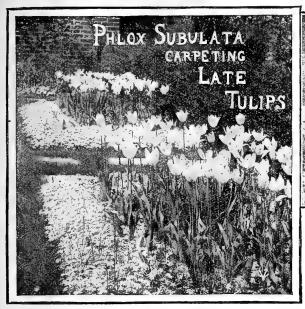
Three of each, \$1.25 Six of each, \$2.25

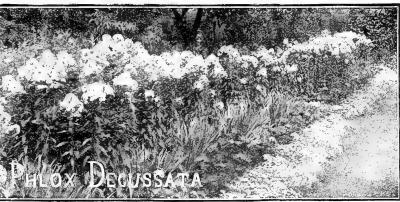
Collections (Our Selection)

"Bargain" One each, 6 varieties (6 plants) ......\$0.50 Three each, 6 varieties (18 plants) .... 1.35 Six each, 6 varieties (36 plants) ...... 2.50 ALL PREPAID

immense yellow flowers during July and August.

Botanical Name LOBELIA Cardinalis	Common Name Flowering Period Color Cardinal FlowerJuly-Sept Fiery Scarlet	_	١	Use, Soil, Position, Etc.  Deep, rich, moist soil is best. For the margins of ponds or damp border.
Chalcedonica Haageana Sieboldi	Campion  June-Sept Scarlet.  June-Sept Orange Scarlet  Maltese Cross May-June Orange Scarlet  June-July White  Double Catch Fly June-July Crimson	2-3 ft 20c 1 ft 20c 1ft 20c	2.00 2.00 2.00 2.00 2.00	Highly ornamental plants for summer, the taller kinds being valued for cut flowers and border plants; the dwarfer varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position. The "Double Catch Fly" is a brilliant border plant, the flowers being produced in dense spikes.
LYTHRUM Roseum	LoosestrifePerry's VarietyMay-SeptReddish Purple.	3 ft 25c	2.50	Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits it.
MERTENSIA Virginica	Blue Bells or Virginian Cowslip	18 in <b>20c</b>	2.00	A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
MINT	Old Fashioned	18 in <b>15c</b>	1.50	An old favorite, will grow anywhere.
MONARDA Didyma	Bergamot, Oswego Tea orBee BalmJune-SeptBrilliant Scarlet	3 ft 20c	2.00	Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
MYOSOTIS Alpestris	Forget-me-not May-Aug Deep Blue	6 in 15c	1.50	The true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Make excellent edgings and carpeting planted with late-flowering tulips.
NEPETA Mussini		1 ft 20c	2.00	These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.
OENOTHERA Eldorado	Evening PrimroseGolden Yellow	2 ft 20c	2.00	Showy and easily grown on all soils; useful in wild garden and border; make good plants for front of border. Macro- carpa is a beautiful variety with prostrate stems bearing





# Vaughan's

# Hardy Phlox

# Phlox Decussata

THIS is one of the most useful flowers for summer decoration, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in fall may be expected.

The blue, layender, and orange colored ones should be planted in semi-

The blue, lavender, and orange colored ones should be planted in semi-shade, as the sun is apt to bleach out the colors in a short time.

(M. 2.) A beautiful grayish lilac with white Antonin Mercie.

center. Each, 15c; doz., \$1.50; per 100, \$10.00.

Bridesmaid. (D. 2.) Pure white, large crimson-carmine eye.
Each, 15c; doz., \$1.50.

Crespuscule. (M 2.) Large cherry-red center, edged pale violet pink. Each 20c; doz., \$2.00.

**Dedem.** (T 2.) Brilliant orange-scarlet with immense trusses and

individual flowers. Each 20c; dozen, \$2.00. Elizabeth Campbell. (D. 2.) Bright salmon pink with lighter shadings and dark crimson eye. One of the best.

colors, our selection, for 85c postpaid.

Each, 25c; doz., \$2.50; per 100, \$15.00. Europa. (T. 2.) White, distinct carmine eye, large flower.

Europa. (1. 2.) white, distinct carmine eye, large nower.

Each, 25c; doz., \$2.50; 100, \$15.00.

Miss Lassberg. (T. 2.) The purest snow-white in cultivation.

Extra fine. Each, 20c; doz., \$2.00; 100, \$12.00.

G. A. Strohlein. (M. 2.) Glowing orange-scarlet with blood-red eye. Immense heads. Each, 25c; doz., \$2.50.

General Heutz. (T 2.) Brilliant salmon-red with white center. free bloomer. Each, 20c; dozen, \$2.00.

Gloire de Maroc, Deep violet, with large crimson eye, almost a violet-blue. Large flowers in immense trusses. Each, 15c; doz., \$1.50; per 100, \$10.00.

Jeanne d'Arc. (T. 3.) Fine pure white. A fine late flowering variety. Each, 20c; doz., \$2.00; per 100, \$12.00.

Maculata Alpha. (Suffruticosa.) Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. Each, 15c; doz., \$1.50; 100, \$10.00.

Miss Lingard. (T. 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer. good for cut flowers. Each, 20c; doz. \$2.00; per 100, \$12.00.

Mrs. Jenkins. A very free flowering early variety of medium height producing immense

panieles of pure white flowers. Each, 15c; doz., \$1.50; per 100, \$10.00.

Pantheon. (T. 2.) Deep salmon rose. Each, 20c; doz., \$2.00; 100, \$12.00.

Rhynstrom. Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and very free-flowering. Each, 20c; doz., \$2.00; 100, \$12.00.

Selma. (T 2.) Large pink trusses with red eye. Each, 25c; dozen, \$2.50. Sunshine. Bright red with crimson eye and light halo. Each, 25c; dozen, \$2.50.

Tapis Blanc. (D. 1.) Pure white; immense heads. Each, 20c; doz., \$2.00.
Widar. (M. 2.) A much admired violet blue with white eye; a rich colored form of Antonin Mercie. Each, 25c; doz. \$2.50.

MIXED.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. Each, 15c; doz.; \$1.25; per 100, \$8.00; by express only.

SPECIAL OFFER No. 33A.—One each of 10 varieties, our selection from above. All distinctly labelled for \$1.50 by express, not prepaid.

SPECIAL OFFER NO. 33B. One each of 6 varieties (six plants), our selection, Dis-

tinctly labeled for 90c postpaid.

SPECIAL OFFER NO. 33C. Two plants each of 3 varieties (six plants), three distinct

The Phloxes marked (2) are useful for planting as borders or carpeting to Late-flowering Tulips.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

Early Mid-season (2) (3) Late

Very large heads;

(D) Dwarf (M) Medium (T) Tall

Our prices are for one-year field-grown plants.

# Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

Amoena Rosa. Bright pink flowers in May and June. Height 6 ins. Each, 20c; dozen, \$2.00.

Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height, 4 in. Each, 15c; doz., \$1.50; per 100, \$10.00.

Subulata Rosea. Same as above but with dainty pink flowers. This and Alba are fine for graves. Each, 15c; doz., \$1.50; per 100, \$10.00.

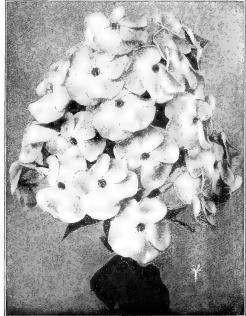
# Phlox Arendsi

12 to 24 ins. high, flowers in May, very lasting, and excellent for perenial borders and shrubberies

ders and surupperies.

Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder. Each, 25c; dozen, \$2.50.

Luise. Height, about 24 in. Color of flower, pale lilac with carmine eye. Price, each, 25c; dozen, \$2.50.



**ELIZABETH CAMPBELL** 









MARGUERITE GERARD

**EUGENE VERDIER** 

MME. EMILE LEMOINE

LA TULIPE

# Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and tast longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

rehable, free-blooming kinds in their respective colors.

Planting. Peonies may be planted in spring as soon as the frost is out of the ground. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulcling of rotten stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. Full cultural directions are sent with each order. We offer three sizes, viz:—Divided roots, 3 to 5 eyes. Medium roots, 5 eyes and up.

D—Divided. M—Medium. L—Large Roots.

# White and Light Varieties

X Albatre. Large, compact, rose-type bloom, wide center petals. Milk white, center petals edged carmine. Extra good. Midseason. D, 60c; M, \$1.00.

Baroness Schroeder. Large globular rose type. Flesh pink changing to white. Vigorous and free bloomer. A first-rate flower. D, \$1.50.

Carnea Triumphans. Guards and crown pale pink, collar amber-white, fragrant. Midseason. D, 50c; M., \$1,25.

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house. than on the plant. Late; extra. D, 35c; M, 85c; L, \$1.25.

Couronne D'Or. Large, flat, semi-rose type. Pure white, with a ring of yellow x stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. D, 50c; M, 85c; L, \$1.25.

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant.
 D, 40c; M, 75c; L, \$1.25.

Duc de Wellington. Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower: free bloomer. Late. S., 45c; M., 85c; L., \$1.25.

Festiva (Drop White). Large, full, rose-shaped bloom, creamy white, fleeked with earmine. Fine late variety. D, 50c.

Festiva Maxima. The best known Peony. Flower of immense size—7 to 8 in.

X in diameter—snow white, with some red spots on the edge of the center petals. Very sweet. Early. D, 40c; M, \$1.00; L, \$1.50.

Jeanne d'Arc. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. D, 50c; M, 75c; L, \$1.25.

La Rosiere. Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. D, 75c.

La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. D, 50c; M, 85c; L, \$1.25.

Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. D, 50c; M, 85c, L, \$1.25.

Madame de Verneville. Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable for all purposes. D, 50c; M, 85c; L, \$1.25.

Madame Emile Lemoine. Large compact semi-rose type. Milk-white. Medium height vigorous open habit. Blooms in mid-season. D, 75c.

Marie Lemoine. Delicate ivory white; solid massive blooms of extra size; very late. D, 50c; M, 85c; L, \$1.25.

# White and Light Varieties—Cont.

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. D, 75c; M, \$1.00.

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. D, 40c; M, 85c; L, \$1.25.

Solfatare. Large bomb-shaped, with crown. White guards and sulphur collar. Really a creamy yellow Peony. Medium habit. Midseason. Distinct and desirable. D, 50c.

# Light and Dark Pink and Rose

Albert Crousse. Very large flat, compact bloom; rosy-white flecked crimson. Very fragrant, tall free bloomer. Late. D, 80c; M, \$1.25.

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. D, 60c; L, \$1.25.

Claire Dubois (Crousse). One of the very largest peonies. Very full compact X and globular; rose-type flower. Color, soft light satiny-pink. Fragrant and rather late. D, \$1.00.

Delicatissima. Large rose type. Pale lilac-rose. Fragrant. Very strong, tall grower, fine habit, free bloomer. Extra good keeper and shipper. Midseason. D, 50c.

Edulis Supérba. Bright mauve pink collar mixed with lilae; fragrant; strong upright stems, free bloomer, early, one of the best pinks. D, 40c.

Eugenie Verdier. Delicate flesh pink, very tall, free and very beautiful. Midsesson. We can conscientiously recommend this as one of the best pink Peonies in cultivation. D, 60c; M, 85c; L, \$1.25.

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. D, 45c; M, 85c; L, \$1.25.

Jules Calot. Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. D, 50c.
Kohineer. Shell pink, very free, splendid cut flower. Midseason.

Kohinoor. Shell pink, very free, splendid cut flower. Midseason. D, 45c; M, 85c; L, \$1.25.

X Livingstone. Very massive solid light pink of the highest class. Rose shape.
Free. Vigorous bloomer and very late. D, \$1.25.

Madame Barillet Deschamps. Semi-rose type flat and imbricated. Clear violet-rose toning with age to a silvery pink. Medium height. Midseason. Very fragrant. D, 75c.

X Madame Emile Galle. Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. D, \$1.00.

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance.

Peonies should be in every garden.









MME. DE VERNEVILLE

FELIX CROUSSE

OFFICINALIS RUBRA PLENA

LIVINGSTONE

# Vaughan's Peonies

# Light and Dark Pink, and Rose-Continued

Madame Forel. Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. D, 65c; M, \$1.00; L, \$1.50.

Madame Furtado. Bright violaceous-pink guard, bright salmon-pink center.
D. 75c.

Marguerite Gerard. Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals flecked dark carmine. Free, late. Extra. D, \$1.00; M, \$1.50; L, \$2.00.

Monsieur Jules Elie. Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy fleshpink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. D, 75c; M, \$1.00; L, \$1.50.

President Taft. (New). Exquisite shade of lilac-pink with carmine center. Very large cup-shaped blooms. There is no better pink of this shade in our entire collection. D, \$1.50; M, \$2.00.

Princess Beatrice. Light violet-rose crown and guards, creamy-white collar; speckled crimson center; compact and large; free bloomer; fragrant; early mid-season variety. D, 60c.

Prolifera Tricolor. Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. D, 50c; M, 85c; L, \$1.25.

Souvenir de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac. D, 50c; M, 85c; L, \$1.25.

Souvenir de l'Exposition Universelle. Large perfect shaped imbricated flower, brilliant cerise, with silvery reflex. D, 60c; M, 90c.

Therese. A most desirable variety of a charming shade of violet-rose, changing to like-white. Develops a high crown, strong grower and very free bloomer. A splendid addition to the mid-season sorts of which it is one of the best, **D**, \$6.00.

Thorbeckii. Deep rose pink; of fine form; lighter in center. Medium dwarf habit. D, 40c; M, 60c.

Triomphe de l'Exposition de Lille. Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. D, 60c; M, 85c; L, \$1.25.

# **Red and Crimson Sorts**

Adolph Rousseau. Huge semi-double flowers of deep purplish-red. Tall vigorous, early. One of the darkest of all. D, \$1.00; M, \$1.50.

Delachei. A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. D, 50c.

Edouard Andre. Early-blooming, deep brilliant crimson with metalic glow and golden yellow stamens. Valuable and unique. S, 50c; D, 85c.

Felix Crousse. Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. D, 60c; M, \$1.00; L, \$1.50.

Gloire de Douai. Large flower of a glowing rich crimson. D, 50c.

Karl Rosenfield. Very large flower, globular semi-rose type. Extremely vigorous grower, tall, and free-flowering. As an early red, it has no equal. D, \$2.50.

# Red and Crimson Sorts—Continued

La Grange. This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking x red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. D, 50c; M, 85c; L, \$1.25.

Louis Van Houtte. Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. D, 50c; M, 85c; L, \$1.25.

Marechal Vaillant (Grandiflora Rubra.) Very large, compact, globular flower. Dark mauve pink; very tall and late. An excellent variety. D, 50c; M, 85c; L, \$1.25.

M. Krelage. Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. D, 75c; M, \$1.00; L, \$1.50.

M. Martin Cahuzac. Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower. Free bloomer. Midseason. D, \$3.00.

Officinalis Rubra Plena. This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. D, 40c; M, 65c.

Souvenir de l'Exposition de Bordeaux. A fine globular flower, very full, bluish violet and red, with bright reflex. D, 85c.

# **Unnamed Peonies**

Double White, Pink and Red. D, 25c; M, 50c; L, \$1.00. Japanese Tree, 3 year old plants, assorted colors, each \$1.50.

# Various Peonies

#### Single Unnamed.

Single Crimson, divided roots, each, 50c; M, 85c; L, \$1.25.

Single Pink, divided roots, each, 50; M, 85c; L, \$1.25.

Single White, divided roots, each 75c; M, \$1.00; L, \$1.50.

#### Single Named.

Areos. Single, delicate soft pink in bud, fading to white when cpen, a very pretty variety and a free bloomer. D, 75c.

Emily. Medium size. Violet-rose. Double row of petals. Medium tall. D, 60c; M, 85c.

Prince Bismarck. Single beautiful crimson, showy yellow stamens. Free and long blooming variety. D, 75c; M, \$1.00; L, \$1.50.

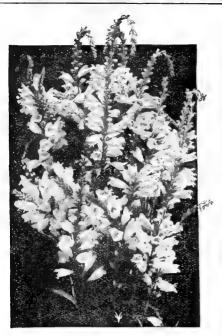
# Discount on Peonies

Orders amounting to over \$5.00 and less than \$10.00 are subject to 10 per cent discount for cash.

Orders over \$10.00 and less than \$15.00 are subject to 12 per cent discount for cash.

All orders of \$15.00 and over are subject to 15 per cent discount for cash.

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.



Our collections of Peonies and Hardy Irises comprise the finest varieties in commerce.

Plant these in September for best results.



Y

PHYSOSTEGIA VIRGINICA

ICELAND POPPY

PLATYCODON

Botanical Name Common Name Flowering Period Color Height Each	Doz.	Use, Soil, Position, Etc.
PACHYSANDRA Terminalis	2.00	Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.
PAPAVER Poppy White, Yellow Nudicaule Iceland Poppy June-Oct. and Orange1 ft20c Nudicaule June-Oct. Mixed, all colors1 ft20c	2.00	The Iceland Poppy is a gem from the Arctic regions. It is a hardy dwarf grower, showing a profusion of delicately shaded little blossoms that are exquisite for edging the border. It blooms all Summer and is a valuable and lovely flower for vases.
PENTSTEMON     Beard's Tongue       Barbatus Torreyi     (Chelone)     June-Aug     Brilliant Scarlet     3 ft     20c       Digitalis     June-July     Purple White     2 ft     15c	2.00 1.50	These graceful plants bearing long spikes of flowers are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border.
PHYSOSTEGIA         False Dragon Head         June-Sept.         Pink.         3 ft.         25c           Virginica.         June-Sept.         Soft Pink.         3-4 ft.         20c           Alba.         June-Sept.         Pure White.         2 ft.         20c	2.50 2.00 2.00	Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
PLATYCODON         Balloon Flower           Grandiflora         May-Sept         Deep Blue         18 in         20c           Alba         May-Sept         White         18 in         20c	2.00 2.00	Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
POLYGONATUM Solomon's Seal GiganteumJune-JulyWhite	1.50	A very desirable plant for shade and woodland, or bordering shrubs. The flowers are white, faintly shaded green, and hang in twos and threes from the under side of the leaf stem. The leaves have a graceful drooping habit like a fern frond.
PYRETHRUM  Roseum, Single and Double Mixed June 18 in 20c  Uliginosum Giant Daisy Sept-Oct White 5 ft 20c	2.00	These are of great value for cut flower purposes, lasting in water longer than any flower we know. They are variable in color, ranging from pure white to the most intense scarlet and crimson, and are perfectly hardy, delighting in a cool, moist soil.
RANUNCULUS         Buttercup           Acris (True Buttercup)         May-June         Yellow         2 ft         20c           Repens fl., pl         May-June         Double Yellow         1-2 ft         20c	2.00	Acris is the well-known double yellow buttercup so effective either as a cut flower or grouped in the Hardy borders. Repens is a showy plant bearing rosettes of double yellow button-like flowers during May and June. Likes a shady or partial shady situation in rich soil.
ROSMARINUS OfficinalisRosemaryLavender2ft20c	2.00 }	Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage.
RUDBECKIA         Cone Flower           Laciniata fl. pl.         Golden Glow         July-Oct.         Yellow         5-7 ft         20c           Newmanii         June-Sept.         Orange, blk. cone. 2 ft.         20c           Purpurea         Purple Cone Flower         Yellow         6 ft.         20c	2.00 2.00 2.00	The Rudbeckias are very decorative plants for shrub- beries, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color.
SALVIA       Azurea Grandiflora       AugOct.       Sky Blue.       3 ft.       25c         Pitcheri.       Meadow Sage.       SeptOct.       Deep Blue.       3½ ft.       25c         Officinalis.       .Common Sage.       .15c	2.50 2.50 1.50	Beautiful plants, with long spikes of tubular blue flowers. Leaves of Officinalis used for seasonings and dressings. Pitcheri makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.
SCABIOSA.Mourning BrideCaucasica.June-Sept.Pale Bluc.18 in.20cAlba.June-Sept.White.13 in.20c	2.00 2.00	Useful border plants blooming freely all summer; much prized for cutting and massing in old-fashioned gardens; succeeds best in light loam with plenty of sun.







STATICE LATIFOLIA

YUCCA FILAMENTOSA

SWEET WILLIAM (Dianthus Barbatus)

STATICE LATIFOLIA	YUCCA FILAN	IENTOSA		SWEET WILLIAM (Dianthus Barbatus)
Botanical Name Common Name Flor	vering Period Color	Height Each	Doz.	Use, Soil, Position, Etc.
SEDUM  Acre	ne-JulyScarletly-AugRose Colorly-AugBright Crimson	6 in20c 18 in20c 18 in20c	2.00 2.00 2.00 2.00 2.00 2.00	Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.
SOLIDAGO Golden Rod Canadensis Se Golden Wings Se	ptOctRich Yellow ptOctGolden Yellow	4 ft20e	2.00 5.00	Native plants of the easiest culture, graceful panicles of golden yellow flowers invaluable for cutting. Golden Wings is the finest of all the Golden Rods.
SPIRAEA Goats' Beard or Meadow's Filipendula Fl. Pl Dropwort	une-JulyDouble White		2.50 2.50	Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage. The graceful plumes of Venusta are a handsome sight when in full bloom.
STATICE Sea Lavender Latifolia	uly-SeptLavender	2 ft <b>20c</b>	2.00	Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.
STOKESIA Stokes' Aster Cyanea J Alba J			2.00 2.00	Produces showy Cornflower-like flowers from 4-5 inches across; succeeding in any open position. It is of the easiest culture and is exceedingly attractive in the border or open beds.
SWEET WILLIAM (Dianthus Barbatus)  Albus	ne-Oct. Orange-Redne-Oct. Mixedne-Oct. Mixed, extra finene-Oct. Crimson Blackne-Oct. Bright Scarletne-Oct. Mixed.	.2 ft 15c .2 ft 15c .2 ft 15c .2 ft 15c .2 ft 15c .2 ft 20c	1.50 1.50 1.50 1.50 1.50 1.50 2.00	The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow it to perfection.
THALICTRUM Meadow Rue Adiantifolium J Dipterocarpum A			2.00 2.50	These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. Dipterocarpum is a beautiful and rare plant bearing light sprays of lilac flowers.
THYMUS Vulgaris Thyme	or culinary uses	12 in <b>. 15c</b>	1.50	An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.
TRILLIUM Wake Robin	May-JuneWhite	12 in	1.00	One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white. Per 100, \$6.00; Per 1000, \$45.00.
TRITOMA—Plant in Spring  VALERIANA Garden Heliotrope			)	These are pretty border plants, easily grown and very useful for cutting. The large flat flower heads, when in
Rubra			2.00	full bloom, literally cover the plant. Coccinea makes a good rock plant where plenty of room can be given it.
VERONICA Speedwell Spicata	uly-AugBright Blue	18 in <b>20c</b>	2.00	Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.
VINCA Minor	uneBlue	4 in <b>15c</b>	1.50	Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live; they soon make a carpet.
VIOLA Violet Cucullata			1.00	Should be planted in every garden, thrives well in partial shade, and is prized for the sweetness of the blossom. Cucullata is the hooded variety, native of the Northern States.
YUCCA FilamentosaAdam's NeedleJ Price. Strong 2 yr. plants at 25c each,		t 35c each; doz.,	\$3.50. }	A charming plant to group in the hardy flower border, cemetery or as specimens on the lawn.

# Ornamental and Flowering Shrubs

sites and purposes.



Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R. R.), two blocks South of 47th Street, the continuation of East Boulevard.

Street, the continuation of Last Boulevard.

SHIPPING DIRECTIONS. Shrub orders amounting to \$5.00 and over include prepayment either by express or freight, within limits of Chicago. otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

#### ABOUT PRICES OF TREES AND SHRUBS

Where	the price each is giv	en, the foll	owing are ou	r rates for 3 and	12 of a kind.
Each	3 for	Dozen	Each	3 for	Dozen
20c	\$0.50	\$2.00		\$1.70	
25c	65	2.50		1.85	
30c	80	3.00		2.00	
35c	1.00	3.50		2.15	
40c	1.10	4.00		2.40	
45c	1.25	4.50		2.50	
50c	1.40	5.00		2.90	

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

Ask for Pamphlet
"Planting Suggestions"
Useful advice FREE

No Trees, Shrubs or other perishable stock are sent C. O. D.

diameter as well as shape, and are recommended where immediate effect is desired.

AFTER PLANTING

A denotes shrubs which attain 9 to 12 feet in height at maturity. B denotes shrubs which attain 5 to 8 feet in height at maturity. C denotes shrubs which attain 1 to 4 feet in height at maturity.

THE planting of shrubs, or perhaps shrubs combined with shade trees, with some

Loconception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late tall when most of them display their bright colored leaves, to be followed by the red berries of many during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions for grouping, for all

Autumn Planting may be commenced about first week in October and con-

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom trans-

Specimens. This term is applied to shrubs that are perfect both in height and

tinued until end of November if frost does not interfere.

planted or never moved from cutting beds until sold.

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

ACER Atro-purpureum (Japanese Purple-leaved Maple)

ALMOND, DOUBLE-FLOWERING (B)

ALTHEA FRUTEX (Rose of Sharon) (A)

Plant in Spring

#### AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., 40c.

#### AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. **Ve**ry valuable for border plantations or for massing on banks and slopes.

Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year bushy, 40c; 3-year bushy, 50c.

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, 40c; 3-year, 50c.

# ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

A very handsome shrub of erect habit and very large, much divided spiny leaves.

A remarkable small tree with upright, spiny trunk. Leaves rich deep green, on strong, long stems.

Pentaphylla. (B.) A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c.

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 1½ to 2 ft., 35c; 2 to 3 ft., 50c; 8 to 10 ft. Specimens, \$1.50.

### BERBERIS (Barberry)

The following varieties are all "safe" ones. Only the Vulgaris, green-leaved and purple-leaved are harmful as declared by the U.S. Department of Agriculture.

Heteropoda. A handsome and very distinct species. Flowers orange-yellow and fragrant. The foliage is a beautiful dark blue and has a glaucus bloom covering. A really beautiful shrub. Grows 3 to 6 ft. high. A comparatively recent introduction. 2 to 2½ ft., extra bushy, 50c.

Ilicifolia. (Holly-leaved Barberry). (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 1½ to 2 ft., 75c; 2 to 2½ ft., \$1.25; 3 ft. Specimens, \$1.50. These prices are for stock with ball of earth and burlapped.

Japonica. In a general way this resembles the Thunbergii, which is ordinarily called Japanese Barberry, but grows taller than the latter, colors up better in fall, and it is especially recommended for winter effect on account of its beautiful red, rusty-brown bark. We recommend this variety. 2 to 3 ft., 35c; per 100, \$28.00; 3 to 4 ft., 50c; per 100, \$30.00.

Thunbergii. (Japanese Barberry.) (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

Age Heigh	nt ·	Each	Three	Doz.	100
1-year10 to 12	in	\$0.15	\$0.40	\$1.25	\$ 8.00
2-year15 to 18	in	20	.50	2.00	10.00
3-year18 to 24	in	30	.80	3.00	20.00
4-year, extra bushy .		40	1.10	4.00	25.00
5-year, extra bushy		60	2.00	6.60	40.00
5-year Specimens		1.00	2.90	11.00	60.00

#### BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular lilac-colored flowers. Awarded First Class Certificate R. H. S., London (new). Plant in Spring.

#### CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. 1½ to 2ft., extra bushy, 40c; 2 to 3ft., extra bushy, 50c.

## CEANOTHUS AMERICANUS (Jersey Tea) (B)

A small shrub with a profusion of white flowers in crowded panicles, in June. One of the best shrubs for growing in shady places.

1 ft., bushy, 40c; 15 to 18 in., 60c.

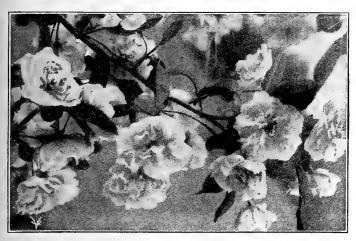
## CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 1½ to 2 ft., 40c; 3 to 4 ft., 60c.

## CERASUS (Flowering Cherry) (A)

Padus (Bird Cherry) Bears dense panicles of white flowers in early spring—a very picturesque shrub. 3 to 4 ft., 50c; 5 to 6 ft., Specimens, 75c.

Serotina (Wild Black Cherry). A shrub or small tree, covered with white blossoms in Spring, in long loose racemes; purplish black fruit in Autumn. Long narrow leaves. 3 to 4 ft., 50c; 5 to 6 ft., Specimens, 75c.



BECHTEL'S DOUBLE-FLOWERING CRAB

## CHIONANTHUS VIRGINICA (White Fringe Tree) (A)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawnornaments. Attains a height of 9 to 15 feet. 1½ to 2 ft., 50c; 2 to 3 ft., 60c.

# CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A sturdy compact shrub, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shrub. Thrives in moist loamy soil. 1½ to 2 ft., bushy, 50c; 2 to 3 ft., bushy, 50c.

# CORCHORUS (Kerria) (B)

#### (The Globe Flower or Japanese Rose)

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., bushy, 50c.

Japonica Argentea Var. (B) A pretty dwarf variety with small, green foliage edged white, slender grower, A valuable dwarf shrub. 1½ ft., bushy, 50c.

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., bushy, 50c.

# CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and water side planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., 50c; 3 to 4 ft., 75c.



BERBERIS THUNBERGII

#### CORNUS—Continued

Mascula. (Cornelian Cherry). (B). One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries.

1½ to 2 ft., 35c; 2 to 3 ft., bushy, 50c; 3ft., extra bushy, 75c.

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in w 5 nter blood-red. 2 to 3 ft., bushy, 45c; 3 to 4 ft., bushy, 60c; 4 to 5 ft., 75c; 5 to 7 ft., Specimens, \$1.00.

Serices. (Silky Dogwood) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October. 2 to 3 ft., 40c; 3 to 4 ft., bushy, 60c.

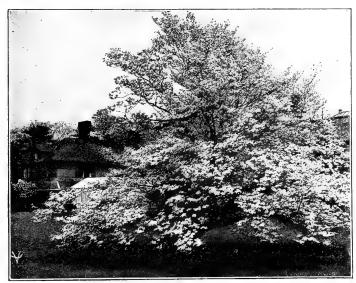
Sibirica. (Siberian Red Osier) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy.

Height	Each	Three	Doz.	100
1½-2 ft.	\$0.30	\$0.80	\$3.00	\$20.00
2-3 ft. bushy	.40	1.10	4.20	30.00
3-4 ft. extra bushy	.50	1.40	5.40	
4-5 ft. " "	.60	1.70	6.60	45.00
Specimens 5-6 ft. " "	1.00		10.00	
Specimens 6 to 7 ft	1.00		10.00	

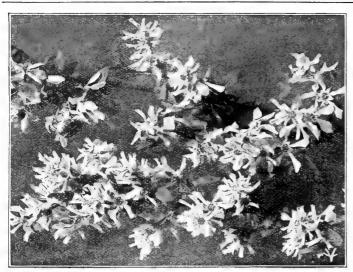
#### CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., extra fine, \$1.00; 4 to 5 ft., extra fine, \$1.75; 5 to 6 ft., Specimens, \$3.00; 6 ft. Specimens, \$4.00. (See also Malus Floribunda.)

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.



CORNUS (Dogwood)



FORSYTHIA INTERMEDIA

#### CRATAEGUS (Hawthorn)

Crus Galli. (Hawthorn) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 2 to 3 ft., bushy, 50c; 3 to 4 ft., extra bushy, 75c; 4 to 5 ft., extra bushy 85c; 5 to 6 ft., Specimens, \$1.00.

# CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) (B.) A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., bushy, 35c; per 100, \$25.00; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., bushy, 60c; 4 to 5 ft. Specimens, 75c.

Cardinalis (B.) Beautiful brilliant Cardinal red. 2 to 3 ft. bushy, 50c; 3 to

4 ft., extra bushy, 75c.

Maulei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hordy shrub. 12 to 18 in., 50c; 1½ to 2 ft., 60c; 2 to 3 ft., 75c; 4 to 5 ft., \$1.00. ivalis. (Snow Pearl). A handsome tree, with its silvery foliage and masses of white blossoms in spring. 12 to 18 ins., 35c; 2 to 3 ft., bushy, 50c; 3 to 4 ft., 75c.

3 to 4 ft., 75c.

Rubra Grandiflora. Deep crimson flowers, with very showy fruit. 1½ to 2 ft., 50c; 2 to 3 ft., 60c; 3 to 4 ft., bushy, 75c.

Simonii. (Sand Pear). A very ornamental rapid growing tree, with masses of white blossoms and deep green foliage. 1½ to 2 ft., bushy, 45c.

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 12 to 18 in. 30c; 2 to 3 ft., bushy, 40c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 75c.

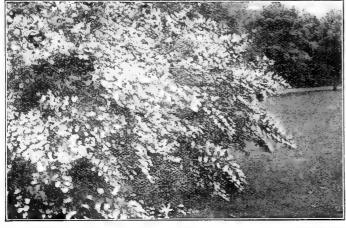
# DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously ch spring. Bears attractive sprays of bright rose-colored flowers in September. each spring. 2-year. 40c.

### DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 12 to 15 ins., 35c; 1½ ft., extra bushy, 40c.



DEUTZIA-Pride of Rochester

#### **DEUTZIA**—Continued

Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1½ to 2 ft., 35c.

dide of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 1½ to 2 ft., bushy, 30c; 3 to 4 ft., bushy, 50c; 4 to 5 ft. Specimens, 60c. Pride of Rochester.

DIERVILLA. See Weigelia.

DOGWOOD. See Cornus.

ELDER. See Sambucus.

### ELEAGNUS (Silver Thorn)

sgustifolia. (Russian Olive.) (B.) A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 1½ to 2 ft., 30c; 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., extra bushy, 60c; 6 to 7 ft., Specimens, 75c.

### EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush). (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 3 to 4 ft., \$1.50; 4 to 5 ft. extra bushy, \$2.00; 5 to 6 ft. Specimens, \$3.00; 6 to 7 ft., Specimens, \$6.00.

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 1½ to 2 ft., 35c; 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c.

#### GRANDIFLORA (Pearl Bush) (A) **EXOCHORDA**

A vigorous growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 1½ to 2 ft., 40e; 2 to 3 ft., bushy, 50e; 3 to 4 ft., 60c; 4 to 5 ft., 75c.

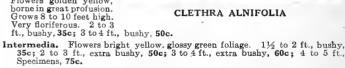
# FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago Parks. They should be planted where they will receive the full benefit of early spring surshing. sunshine.

sunshine.

Fortuneii. (Fortune's Forsythia.) (B.) A tall shrub with slender arching branches, of garden origin.

Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, bornein great profusion. Grows 8 to 10 feet high. Very floriferous. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c.



Suspensa. (The Weeping Forsythia). (B.) A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 2 to 3 ft., 35c; 3 to 4 ft. extra bushy, 60c.

Viridissima. (B). A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in Spring, 4 to 5 ft., busby, 50c.

GUELDER ROSE. See Viburnum Sterilis.

# GLEDITSCHIA (Honey Locust) (B)

Triacanthos. (Three-thorned Gleditschia). A rapid growing native tree, with powerful spines and delicate foliage. Used for hedges. 3 to 4 ft., 50c; 4 40 5 ft., 60c; 5 to 6 ft., 75c each.

#### HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil. either in full sun or partial shade. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft. 75c,

#### HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn. 1½ to 2 ft., 30c; 2 to 3 ft., 40c; 3 to 4 ft., 60c.

#### HYDRANGEA

# ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, 40c; 3-yr., extra bushy, 50c.

Cinerea Sterilis. (Hills of Snow.) Very similar to the preceding, but leaves e silvery white underneath. Very hardy, 2 year, 40c; 3 year, 50c. are silvery white underneath.

#### HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to sold the past lew years, and the demand is now any sol and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

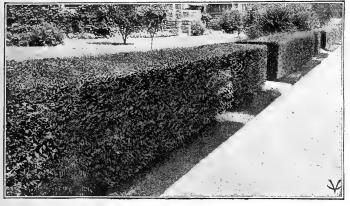
Each	$\mathbf{Three}$	Doz.	Each	Three	Doz.
2-year, heavy35c 3-year, "45c	\$1 00 1 25	4 50	4-year, heavy 50c 4-year Specimens .60c	\$1 40 1 70	\$5 00 6 00

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. Extra selected, 2½ to 3 ft. stems, 75c.

#### LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Ciliatum Small Japanese shrub with pointed elliptical leaves, white flowers followed by black berries the size of a pea. 2 to 3 ft. bushy, 35c; per 100, \$20.00; 3 to 4 ft. extra bushy, 50c; per 100, \$30.00.



## PRIVET HEDGE

Ligustrum Amurense. (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panieles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

neight	Each	inree	Doz.	100
1 ½ ft., bushy	\$0.25	\$0,65	\$2.40	\$15.00
$1\frac{1}{2}$ to 2 ft., bushy	30	.80	3.00	20.00
2 to 3 ft., extra bushy	35	.90	3.50	22.50
3 to 4 ft., extra bushy	40	1.10	4.20	25.00
4 ft. Specimens	50		5.00	
TT - (C) ! T) !				_

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

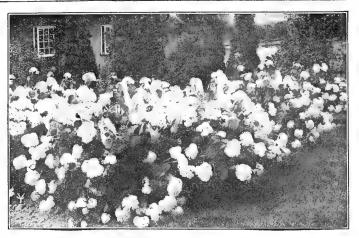
Height	Each	Three	$\mathbf{Doz}$ .	100
12 to 18 in	\$0.20	\$0.50	\$1.80	\$12.00
18 to 24 in	25	.65	2.40	15.00
2 to 3 ft., bushy	35	1.00	3.50	20.00
3 to 4 ft., extra bushy.	40	1.10	4.00	30.00
4 ft. Specimens	45			
5 ft. Specimens	50			• • • • •

Ovalifolium. (Californian Privet.) (B.) Large, broad leaves, and one of the best of all privets but not hardy in vicinity of Chicago. Those residing in Southern states should use it. (Best planted in Spring).

Regelianum. (Prostrate Privet.) (B) This beautiful graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 2 to 3 ft., bushy, 35c; per 100, \$20.00; 3 to 4 ft., 40c.

Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
12 to 18 in., extra btshy.,	\$0.20	\$0.50	\$1.80	\$12.00
11/2 to 2 ft., bushy	25	.50	2.40	51.00
3 to 4ft., bushy	40	1.10	4.20	30.00



HYDRANGEA-"Snowball"

### LILAC (True Syringa) (B)

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 2 to 3 ft., 50c; 3 to 4 ft., 60c each.

Belle de Nancy. Large spikes of very double flowers of a lovely, pure pink color, 1½ to 2 ft., 50c; 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.

Bertha Dammann. Magnificent pure white flowers. 1½ to 2 ft., 35c; 3 to 4 ft. \$1.00.

Bertha Dammann. Magnificent pure white flowers. 1½ to 2 ft., 35c; 3 to 4 ft., 60c each.

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 1½ to 2 ft., 40c each; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c.

Congo. Large spikes, with beautiful, dark red flowers. 1½ to 2 ft., 60c; 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.

Crampel. Large trusses and flowers of pale lavender blue. 2 to 3 ft., 50c; 3 to 4 ft 60c.

Crampel. Large trusses and flowers of pane favenuer blue. 2 to 31., 30c, 3 to 4 ft., 60c.

Doyen Keteleer. Very large pale lavender spikes. Very fine. 1½ to 2 ft., 60c; 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilae, blooms in June. 2 to 3 ft., 60c.

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilaes are through. 1½ to 2 ft., 35c; 2 to 3 ft., 40c; 3 ft. Standards, 75c; 4 ft. Standards, 85c.

Jeanne d'Arc. Large panieles of pure white flowers. 2 to 3 ft., 75c; 3 to 4 ft.. \$1.00.

ft., \$1.00.

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

Jules Ferry. An exceedingly pretty Lilac with rosy-carmine buds, opening silvery mauve. 1½ to 2 ft., 75c; 2 to 3 ft., \$1.00.

Le Gaulois. 1½ to 2 ft., 50c; 2 to 3 ft., 75c.

Leon Gambetta. Large, full pyramidal spikes of pure purple, opening pale mauve. 2 to 3 ft., \$1.00.

Mad. Casimir-Perier. This is the best, double white lilac; immense, compact spikes of double white flowers. 1½ to 2 ft. \$1.00. 2 to 3 ft. \$1.25

Mad. Casimir-Perier. This is the best, double white lilac; immense, compact spikes of double white flowers. 1½ to 2 ft., \$1.00; 2 to 3 ft., \$1.25.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 1½ to 2 ft., \$0c; 2 to 3 ft., 60c; 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., 50c; 2 to 3 ft., 60c; 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 1½ to 2 ft., 50c; 2 to 3 ft., 60c; 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

Othello. Single, dark purplish red, large graceful panicles. 1½ to 2 ft., 50c.

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., bushy, 45c; 3 to 4 ft., 60c.

President Grevy. Flowers double, large handsome blue trusses. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

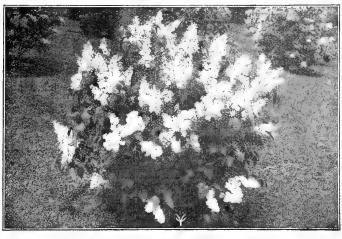
President Grevy. Flowers double, large handsome blue trusses. 2 to 3ft., 50c; 3 to 4 ft., 75c.

Rothomagensis. (Rouen Lilac.) (M.) May. Has arching branches and large, loose, reddish purple flower-plumes that are variable in color. The narrow leaves differ from those of any other lilac. 1½ to 2 ft., 35c; 2 to 3 ft., bushy, 45c; 3 to 4 fr., 60c.

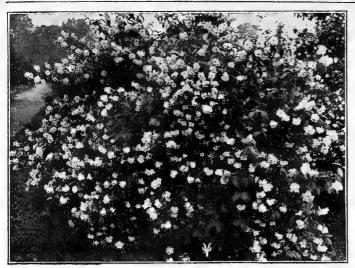
Rubra de Marley. The old-fashioned purple Lilac. Strong bushes, 2 to 3 ft., bushy, 40c each; 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 75c.

Souvenir de Ludwig Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 1½ to 2 ft., 40c; 3 to 4 ft., extra bushy, 60c.

Toussaint l'Ouverture. Single, very deep purple flowers,  $1\frac{1}{2}$  to 2 ft., 50c. (continued on next page)



LILAC-Marie Legraye



PHILADELPHUS GRANDIFLORUS

## LILACS—Continued

Rubra de Marley. The old fashioned purple Lilac. Strong bushes. 2 to 3 ft., bushy, 40c each; 3 to 4 ft., bushy, 50c; 4 to 5 ft., extra bushy, 75c; 5 to 6 ft. Specimens, \$1.00.

Souvenir de Ludwig Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 1½ to 2 ft., 50c; 2 to 3 ft., 60c; 3 to 4 ft., 75c; 4 to 5 ft., \$1.00.

Toussaint l'Ouverture. Single, very deep purple flowers. 11/2 to 2 ft., 50. (Common Lilac.) Bluish-purple flowers. A standard Vulgaris Purpurea. variety. Always good.

	Each	Three	Doz.	100
12 to 18 inches	\$0.20	* \$0.50	\$1.80	\$12.00
2 to 3 ft	.35	1.00	3.60	25.00
3 to 4 ft	.45	1.25	4.80	38.00
4 to 5 ft., extra bushy		1.70	6.00	40.00
5 to 6 ft. Specimens	.75			

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong ishes, 2 to 3 ft., 40c each; 3 to 4 ft., 45c; 4 to 5 ft., extra bushy, 60c; 5 to 6 bushes, 2 to 3 ft., 40c ft., extra bushy, \$1.00.

Villosa. A distinct late variety; large panicles of rosy pink flowers. The foliage resembles that of the Chionanthus bush. 1½ to 2 ft., 35c; 2 to 3 ft., 50c; 3 to 4 ft., 75c.

Waldeck Rousseau. Fine double flowers of pale rosy lilac. 11/2 to 2 ft., 75c; 2 to 3 ft., \$1.00; 3 to 4 ft., \$1.50.

#### LILACS ON OWN ROOTS

These are hardier and usually live longer than the budded stock. Scarce. Charles X, the best purple lilae; Marie Legraye, President Grevy, Souvenir de Ludwig Spaeth. 2 to 3 ft., \$1.50 each.

# LINDERA BENZOIN (Spice Bush)

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 2 year, 50c.

### LONICERA (Bush Honeysuckle)

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of biuish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Well adapted for rock-gardens. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

Bella Aldida. An abundance of white flowers, followed by scarlet fruit in great profusion that hang on a long while; fine. 1½ to 2 ft., 35c.

Bella Candida. A fine variety, producing fruit of red color in great profusion 4 to 5 ft., bushy, 60c.

Morrowii. (Japanese Bush Honeysuckle) (B.) A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 1 to 1½ ft., 35c; 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c.

Tartarica (Tartarian Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. spring. Fruit red Height 8 to 10 ft.

Tartarica Alba (White Tartarian) (B.) 2 to 3 ft., 30c; 3 to 4 ft., 40c; 4 to 5 ft., 50c.

Tartarica Rosea (Pink Tartarian) (B.) 2 to 3 ft., 30c; 3 to 4 ft., 40c; 4 to 5 ft., 50c.

Virginalis Alba. White flowers, resembling T. Alba. 3 to 4 ft., 40c.

# LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stems to fall over.

Barbarum. 2 year, 30c; 3 year, 40c.

MAGNOLIA. Plant in Spring.

# MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries, that remain until Winter. Bright crimson autumn foliage. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

Coronaria (Wild Crab-Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. Tree Form. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00; 5 to 6 ft., \$1.25.

Floribunda (Flowering Crab). Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 3 to 4 ft., 60c; 4 to 5 ft., 85c; 5 to 6 ft. Specimens, \$1.00.

Atro-sanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 3 to 4 ft., 60c; 4 to 5 ft., 85c; 5 to 6 ft. Specimens, \$1.00.

Spectabilis Fl. Albo Pleno. (Chinese Double White Flowered Crab.) 3 to 4 ft., 40c; 5 to 6 ft., 60c; 6 to 7 ft., \$1.00.

Spectabilis Flore Pleno. (Double Pink Chinese Crab); a beautiful lawn specimen in May. 3 to 4 ft., 40c; 4 to 5 ft., 60c; 5 to 6 ft., 75c.

Niedwetskiana. Handsome pinkish white flowers, grand variety. 3 to 4 ft., 75c; 4 to 5 ft., 85c; 5 to 6 ft. specimens, \$1.00.

Schiedeckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 3 to 4 ft. 60c; 4 to 5 ft., 85c.

MATRIMONY VINE-See Lycium.

# MORUS (Mulberry)

(Russian) 20 to 25 ft. Hardier in the northwest than all others. 1 to 11/2 ft., 20c; per 100, \$10.00; 11/2 to 2 ft., 25c; per 100, \$15.00; 2 to 3 ft., 30c; per 100, \$18.00; 3 to 4 ft., 35c; 4 to 5 ft., 40c; 5 to 6 ft., 45c.

## PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 2 to 3 ft., bushy, each, 50c.

Bouquet Blanc. Double or semi-double flowers; very floriferous. 1 to 25c; 1½ to 2 ft., bushy, 40c; 2 to 3 ft. 45c. 3 to 4 ft., bushy, 50c.

Conquete. Has very large semi-double flowers of great beauty. Quit distinct. Very free flowering.  $1\frac{1}{2}$  to 2 ft., bushy, 50c.

Coronarius Aureus (Golden leaved Mock Orange), Much prized for its bright effect. 12 to 18 in., 35c; 1½ to 2 ft., bushy, 50c; 2 ft., extra bushy, 60c.

Coronarius Fl. Pl., (A). Cov June. 2 to 3 ft., bushy, 35c. Covered with sweet-scented double white flowers in

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 1½ to 2 ft. extra bushy, 50c; 2 to 3 ft., extra bushy, 60c.

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the most free flowering of the genus. 1½ to 2ft., 25c; 2 to 3 ft., bushy, 35c; 3to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 60c; 5 to 6 ft., bushy, 75c.

Lemoinei Erectus (B.) A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 2 to 3 ft., bushy, 50c; 3 to 4 ft., 60c.

Manteau d'Hermine. Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 2 to 3 ft., bushy, 75c.

PRIVET. See Ligustrum.

### PRUNUS (Plum)

#### Ornamental and Flowering Varieties.

Pissardi (A.) (Purple-leaved Plum.) A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Spinosa (Blackthorn, Irish Shillelagh.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 3 to 4 ft., bushy, 40c; 4 to 5 ft., 60c.

omentosa. (B.) This shrub covers itself in early spring with pink blossoms and in early fall it produces an abundance of red cherry-like fruit, edible by man and beast, and much sought after by birds. 3 to 4 ft., bushy, 60c; 4 to Tomentosa. 5 ft., 75c.

Triloba (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. Bush form, 2 to 3 ft., 50c; 3 to 4 ft., bushy, 75c. Tree form, 3 to 3 ½ ft. stem, 3 yr. heads, extra fine specimens, each \$2.50.

### PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., 30c; 3 to 4 ft., 40c; 5 to 6 ft., 50c; 6 to 7 ft., Specimens, 75c.

#### RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils, and are not adverse to partial shade. Catharticus. (A.) A fine, robust shrub, with dark green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., each 30c: per 100, \$20.00; 3 to 4 ft., 35c; 4 to 5 ft., 50c; 6 to 7 ft. Specimens, 75c.

Frangula (Alder Buckthorn.) (B.) A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 75c.

# RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with hand-some foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., bushy, each, 40c; 3 to 4 ft., bushy, 50c.

### RHUS (Sumach)

Aromatica (Fragrant Sumach) (C.) A low shrub with a peculiar aromatic odor when bruised. Brilliant red foliage in Autumn. 2 to 3 ft., 40c.

Copallina (Dwarf or Shining Sumach) (D.) Beautiful shining green foliage changing to rich orimson in autumn. Greenish yellow flowers in August. 2 to 3 ft., 50c.

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves-

2 to 3 ft., 50c.

Cotinus (Smoke Tree). A small tree or large shrub with obovate leavesFlowers pale purple, borne in loose panicles, the pedicels of which soon lengthen
and become plumose, lending the smoky aspect which gave to the plant its
common name. A highly ornamental object. In autumn the foliage assumes
brilliant tones of red and yellow. 1½ to 2 ft., 35c; 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Continus Atropurpurea. A shrub of striking beauty with purple leaves, which
form a fitting background for the clouds of flower spikes. 2 to 2 ½ ft., 50c.

form a fitting background for the clouds of flower spikes. 2 to 2½ ft., 50c.

Glabra (Smooth Sumach): A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panieles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 2 to 3 ft., 25c; 3 to 4 ft., 35c; 4 to 5 ft., 40c.

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 2 to 3 ft., 25c; 3 to 4 ft., 35c; 4 to 5 ft., 50c.

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains Attains a height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., 30c; 3 to 4 ft., 45c.

## RIBES OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 1½ to 2 ft., extra bushy, 35c; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., 60c.

Jureum (Yellow-flowering, or Missouri Currant.) (B.) A native shrub with glabrous shining leaves and yellow sweet-scented flowers in June. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 40c.

# ROBINIA (Acacia)

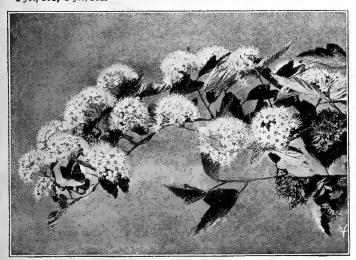
Hispida (Hairy Locust). A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 1½ to 2 ft., 50c; 2 to 3 ft., 75c.

# ROBINIA PSEUDO (Acacia)

Pseud-acacia (False Locust). A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 3 to 4 ft., 20c; 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 60c.

# ROSA (Rose)

Blanda. (Meadow Rose.) Pink flowers followed by red\_berries. Very ornamental in winter. 2 yr., 30c; 3 yr., 35c.
Carolina. Very similar to above. 2 yr., 30c; 3 yr., 35c; 4 yr., 50c.
Lucida. Single bright pink flowers, with bright red bark and berries in winter.
2 yr., 30c; 3 yr., 35c.



SPIRAEA OPULIFOLIA



SPIRAEA-Anthony Waterer

## ROSA—Continued.

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr., 30c; 3 yr., 35c.

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2 yr., bushy, 30c.

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 2 yr., 30c.

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble-leaved rose. 2 yr., 30c; 3 yr., 35c.

## SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Britzensis. (Golden Russian Willow.) Short trunk, dense growth of golden yellow branches; leaves silvery white. 1½ to 2 ft., 25c; 3 to 4 ft., 30c; 5 to 6 ft., 35c; 6 to 7 ft., 50c; 7 to 8 ft., Specimens, 60c.

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 2 to 3 ft., 30c; 3 to 4 ft., 35c; 4 to 5 ft., extra bushy, 40c.

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark-green leaves; admirable for sea shore and narrow streets. 4 to 5 ft., 50c; 5 to 6 ft., 60; 6 to 7 ft., 75c.

Viminalis (Common Osier). Very vigorous; red bark. This is the best willow for tying. 2 to 3 ft., 25c; 4 to 5 ft., 30c; 6 to 7 ft., 50c.

# SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for water-side and border planting.

border planting.

Nigra. (The Black Elder.) A valuable dense shrub for screens or background.

2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds.

2 to 3 ft., 35c; 3 to 4 ft., extra bushy, 50c; 5 to 6 ft., Specimens, 75c.

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Racemosa. Attractive red berries in summer. 2 to 3 ft., 35c; 3 to 4 ft., 40c;

5 to 6 ft., 60c.

SHAD BUSH. See Amelanchier. SNOWBERRY. See Symphoricarpus. SILVER THORN. See Eleagnus. SWEET BRIAR. See Rosa Rubiginosa. SMOKE TREE. See Rhus Cotinus. SWEET SHRUB. See Calycanthus.

SNOWBALLS. See Viburnum,

### **SPIRAEA**

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

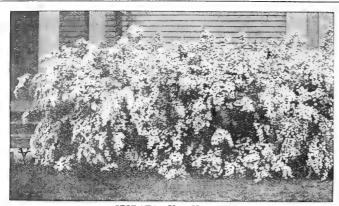
Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 to 1½ ft., extra bushy, 35c; 1½ ft., extra bushy, 40c.

extra pusny, 30c; 1½ tt., extra bushy, 40c.

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, Bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. I to 1½ ft., extra bushy, 30c; 2 to 3 ft., extra bushy, 40c; 3 to 4 ft., extra bushy, 60c.

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 3 to 4 ft., 50c; 4 to 5 ft., 60c.

A bushy plant with good foilage and abundance of rose pink flat ds. Desirable as an edging for shrubberies. 1 to 1½ ft., 40c; 1½ Bumalda. to 2 ft., bushy, 50c.



SPIRAEA-Van Houttei

### SPIRAEA—Continued

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1 to 1½ ft., bushy, 40c.

Callosa Froebeli Variegata. A variegated-leaved, free-flowering variety, flowers rose. 1½ to 2 ft., bushy, 50c.

Callosa Rubra. (Fortune's Spiraea.) (D.) Has large panicles of deep rosy blossoms, grows freely and blooms nearly all summer. 1½ to 2 ft., bushy, 50c; 2 to 3 ft., extra bushy, 60c.

Obuilfolia. (Nine Bark.) A tall shrub with spreading branches growing 2 to

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 2 to 3 ft., extra bushy, 35c; 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., extra bushy, 60c; 5 to 6 ft., Specimens, 75c; 6 to 7 ft., Specimens, \$1.00.

Opulifolia aurea. (Golden-leaved Nine Bark.) (B.) Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

3 to 4 ft., 50c.

Prunifolia Fl. Pl. (Double Flowered Plum-leaved Spiraea.) A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 2 to 3 ft., 40c.

Sorbifolia. (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Thunbergii. (Thunberg's Spiraea.) (B.) Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow 1½ to 2 ft., bushy, 30c; 2 to 3 ft., extra bushy, 50c; 4 ft. Specimens, \$1.00.

Van Houttei (Bridal Wreath). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height Each Three Doz. 100

Height	Each	Three	Doz.	100
1 to 1 1/4 ft	\$0.25	\$0.65	\$2.40	\$12.00
11/2 to 2 ft	.35	1.00	3.60	16.00
2 to 3 ft	.40	1.10	4.00	25.00
3 ft. bushy	.50	1.40	5.40	30.00
3-4 ft "	.60	1.70	6.50	45.00
4-5 ft extra bushy	.75	2.50	8.00	

## STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground. 1½ ft., extra bushy, 40c.

### **SYMPHORICARPUS**

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. in almost any soil; quite hardy; very ornamental, when covered with berries.

Racemosus. (Snowberry.) (B.) A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. 1½ to 2 ft.,

30c; bushy, 35c; 3 to 4 ft., extra bushy, 50c.
 Vulgaris. (Coral-Berry or Indian Currant.) (B.) A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, 30c; 3 to 4 ft., bushy, 35c.



WEIGELIA ROSEA

### TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders, and valuable for seaside. Amurense. A splendid hardy variety, with silky pink tassels; flowers all summer. 1½ to 2 ft., 30; 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 60c; 5 to 6 ft., 75c.

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 1½ to 2 ft., 35c; 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 75c.

#### **VIBURNUM**

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

assumes brilliant and intense color tones in the autumn.

Carlesii. A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 12 to 15 ins., \$1.25 (balled and burlapped). Dentatum. (Arrow Wood). (B.) May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., Specimens, 75c; 5 to 6 ft., Specimens, \$1.00.

Lantana. (Early white Lantana-leaved Viburnum.) (A.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 1½ to 2 ft., extra bushy, 35c; 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., Specimens, 75c.

Lentago (Sheep Berry). Bright green leaves and yellowish white flowers—deliciously scented; black oval berries. 3 to 4 ft., 50c; 5 to 6 ft., 75c.

Molle. (Glossy Viburnum). A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., extra bushy, 75c.

two to three weeks hater. 2 to 3 km, 1.7.
extra bushy, 75c.
Opulus. (High Bush Cranberry.) (A.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 1½ to 2 ft., 30c; 2 to 3 ft., bushy, 35c; 3 to 4 ft. extra bushy, 50c; 4 to 5 ft. extra bushy, 75c; 5 to 6 ft.,



#### VIBURNUM OPULUS

licatum. (Japanese Snowballs.) The old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 feet high. It blossoms in early June, being covered with large balls of flowers as white as snow. Plant in Spring. Plicatum.

as white as snow. Plantin Spring.

Pyrifolium. (Pear-Leaved Viburnum.) Flowers white and fragrant, blooming about two weeks later than other varieties. 2 to 3 ft., 50c; 3 to 4 ft., bushy, 60c.

Sterilis. (Old-fashioned Snowball.) Too well known to require description. 1½ to 2 ft., 30c; 2 to 3 ft., bushy, each 35c; 3 to 4 ft., bushy, 50c.

Tomentosum. (B.) The single form of the beautiful Japan Snowball.; Flowers pure white, in great profusion early in June. Perfectly hardy vigorous and free-blooming; very desirable. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

# WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 1½ to 2 ft., 30c; 2 to 3 ft., 40c; 3 to 4 ft., extra bushy, 50c. Candida. White Weigelia, flowering throughout the summer. 2 to 3 ft., 40c;

3 to 4 ft., 50c. Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelias. 2 to 3 ft., 35c; 3 to 4 ft., 50c. Floribunda. Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Nana Variegata. (C.) One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

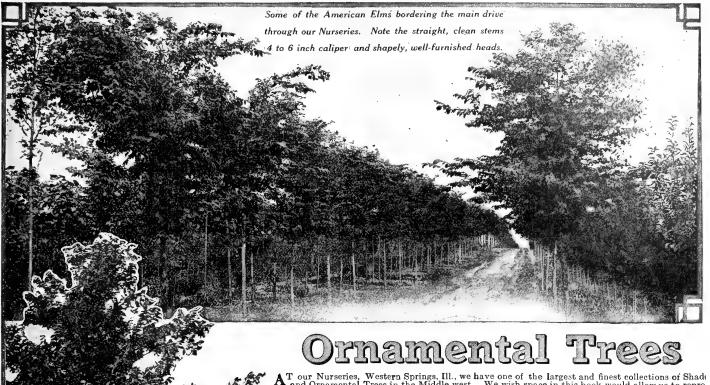
Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft., 35c; 3 to 4 ft.,

extra bushy, 50c.

#### XANTHOCERAS SORBIFOLIA (A)

A rare shrub with stout, upright branches, pinnate foliage and slender pinacles of white flowers that are blotched with yellow and red. Valued for solitary plantings. 2 year, 40c.

WITCH HAZEL (see Hamamelis). WILLOW (see Salix).



AT our Nurseries. Western Springs, Ill., we have one of the largest and finest collections of Shadd and Ornamental Trees in the Middle west. We wish space in this book would allow us to reproduce a picture of every variety and size that we have from the large blocks of Elms, Maples, Poplars etc., etc., to the matured and shapely 20 and 30 ft. specimens, perfect beauties for the lawns and drives of the finest estates. We cordially invite landscape gardeners, and owners and superintendent of private grounds to come and inspect our stock, make selections, and we will reserve such stock for the proper time.

pment at the proper time. ipment at the proper time.

All trees 10 feet high or over must be shipped by freight. For other shipping instructions see page 38.

Our Nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.) two blocks south of 47th Street on the continuation of East Boulevard. Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

# ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree orationes in June. A desirable shade tree for street or lawn planting. 5 to 6 ft., 50c.; 6 to 7 ft., 60c.; 10 to 12 ft., 2½ in. cal., \$2.50; 10 to 12 ft., 3 in. cal., \$3.00; 10 to 12 ft., 4 in. cal., \$4.00; 4½ in. cal., \$5.00; 12 to 14 ft., 5 in cal., \$6.00 to \$8.00.

Excelsior. (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 10 to 12 ft. 2½ inch cal., \$3.50; 12 ft., 3 inch cal., \$4.50.

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 5 to 6 ft., 50c; 6 to 7 ft., 60c; 10 to 12 ft., \$1.75; 12 ft., 2 in. cal., \$2.00; 12 ft., 2½ in. cal., \$2.50; 12 ft., 3 in. cal., \$3.00; 12 ft., 4 in. cal., \$4.00 each.

BIRCH (Betula) Lenta. Spring.

# BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 6 to 8 ft., \$1.25.

### CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2 year heads, 5 ft. clear stem, \$2.00; 6 ft. stem, 3 year heads, \$3.00. heads, \$3.00.

Raempferi. (Japanese Catalpa.) A species of rapid growth, with deep green, glossy foliage. Two weeks later than Syringaefolia. 5 to 6 ft., 60c; 6 to 8 ft., 75c; 12 to 14 ft., 2 to 2½ in. cal., \$3.00 each; 12 to 14 ft., 2½ in. cal., \$4.00; 12 to 14 ft., 3 in cal., \$5.00.

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panieles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 6 to 8 ft., 75c; 10 to 12 ft., \$1.25; 10 to 12 ft., 2½ inch cal., \$2.50; 3 inch cal., \$3.00; 12 to 14 ft. 3½ in. cal., \$4.50; 12 to 14 ft., 4 in cal., \$5.00 each.

A 40-ft. Elm at our Nurseries; perfect in shape and stem. Immediate effect is produced by planting such specimens on newly made grounds.

yringaefolia. (Common Catalpa.) Native of the Southern States A showy rapid-growing, spreading, irregular tree, with very large, heart shaped leaves. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 12; 0 14 ft., 2½ to 3 in. cal., \$3.00; 12 to 14 ft., 3 mined \$5.00 Syringaefolia. ;0 14 ft., 2½ to ni. cal., \$5.00.

# ELM (Ulmus) American. The ideal street tree. We offer

snapery trees.	
Height Caliper	Each
8 to 10 ft\$	1.00
10 to 12 ft., 1½ to 2 in	2.00
10 to 12 ft., 2½ in	2.60
10 to 12 ft .3 in	4.00
12 to 14 ft. 3 in	5.00
12 to 14 ft. 4 in\$6.00 to	10.00
12 to 14 ft. 5 in. cal	15.00
12 to 15 ft. 6 in. cal\$18.00 to 5	22.00
14 to 16 ft. 7 in. cal\$22.00 to 3	30.00
14 to 16 ft. 8 in. cal	40.00
White for mainer on longer late	

Write for prices on larger lots.

Campestris Dampieri, Pyramids, 10 to 12 ft., \$2.00 each.

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 7-year heads, \$20.00 each.

uown. o it. cuar stem, '-year heads, \$20.00 each. English Elm. (U. Campestris.) Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree. 10 to 12 ft., 1½ in. cal., each \$2.75; 10 to 12 ft. 2 in. cal., \$3.50; 10 to 12 ft., 2½ in. cal., \$4.00; 12 to 14 ft., 2½ in. cal., \$5.00; 12 to 14 ft., 3 in. cal., \$6.00; 12 to 14 ft., 4 in. cal. \$6.50.

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., \$1.50 each.

Montana Var. Camperdown Pendula. (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. 8-ft. stems, 5 and 6 year heads, \$12.00 to \$20.00 each.

Monumental Elm. (U. Campestris Monumen talis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Pop-lar. Very distinct and beautiful. 8 to 10 tt. \$1.75; each; 12 ft.. Specimens, \$3.50.



LOMBARDY POPLAR The ideal tree for Screens

# MULBERRY (Morus)

Russian. (M. Tartarica). Very hardy, vigorous grower, fruit of small size, varies in color from white to black. (For prices see page 42).

Weeping Mulberry. (M. Pendula). (Plant in Spring). (M. Tartarica

#### PLANE (Platanus)

and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with 2cturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 6 to 8 ft., \$1.50; 8 to 10 ft., \$2.00. London \$2.00.

# POPLAR (Populus)

Rapid-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

greatest proportions in moist rich loam.

Angulata Cordata Robusta. (New).

A remarkable tree of compact and pyramidal shape. Very distinct from any other poplars. Suitable for shade or ornamantal purposes. Much better than P. Carolina and is rarely attacked by the borer. The branches are plum-like, which give a graceful appearance. Strong, robust grower and very hardy. 8 to 10 ft., 1½ in. cal., 60c each; 8 to 10 ft., 1½ in. cal., \$1.00.

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., 30c each; per 100, \$15.00; 8 to 10 ft., 1 to 1½ in cal., \$65c; 10 to 12 ft. 2 to 2½ in. cal., \$1.00; 10 to 12 ft., 2½ to 3 in. cal., \$2.50 and \$3.00. Write for prices on larger sizes, or better still, try and visit our Nurseries and select sizes to suit.

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind. 6 to 8 ft., 30c each; per 100, \$12.00; 8 to 10 ft., 40c; 1 to 1½ in. cal., 50c; 10 to 12 ft. 60c; 12 to 14 ft., 2 in cal., \$1.25. Norway. Very similar to Carolina Poplar. 6 to 8 ft., 30c each; per 100, the price of the calculation of the calculati

### TREE OF HEAVEN

Tree of Heaven. (Ailanthus Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gasses of the city. 6 ft., 75c.

# WALNUT (Juglans)

Japanese. (J. Japonica.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 4 to 4 ft., 50c.

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

# SPECIMEN TREES

If larger sizes are required than are specified on these pages, customers will please write us for prices. Orders for large trees to be lifted with frozen ball of earth, should be given not later than October 30th. We have some splendid specimen Elms in these large sizes.

#### Continued from Page 45

# rnamental

ELMS (Ulmus)—Continued.

urpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances. 12 ft., 3½ in. cal., \$5.00 each; 12 to 14 ft. 3½ to 4 in. cal. \$6.00. Purpurea.

Scotch Elm. (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn. 10 to 12 ft., 1½ in. cal., \$2.75; 10 to 12 ft., 2 in. cal., \$3.00; 10 to 12 ft., 2½ in. cal., \$4.00; 10 to 12 ft., 3 in. cal., \$5.00; 4 in. cal., \$7.50.

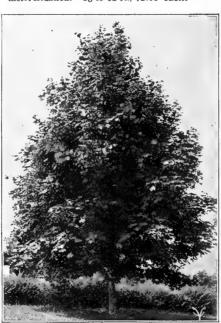
# GINGKO BILOBA (Maidenhair Tree)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. 6 to 8 ft., \$1.75: 8 to 10 ft., 2 in. cal., \$3.50; 10 to 12 ft. 2½ in. cal., \$5.00 to \$8.00; 10 to 12 ft. 3 in. cal., \$10.00 each.

# HORSE CHESTNUT

(Aesculus Hippocastanum)

European Horse C2estnut. An extremely ornamental and valuable shade tree. The leaves a re large, divided into 5 spreading leaflets. It flowers in May, throwing up quantities of beautiful large white spikes. Prefers a moist situation. 10 to 12 ft., \$2.00 each.



# JUDAS TREE (Red Bud)

Cercis Canadensis. It blooms in early spring. Its masses of small delicate rosy flowers wreathe the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., \$1.00; 6 to 7 ft., \$1.25 each.

# LINDEN (Tilia)

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. Sto 10 ft., 2 in. cal., \$2.00 each.

Crimean Linden. (T. Dasystila.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green, turning yellow and brown in autumn. 10 ft., 2 in. cal., \$3.25; 12 ft., 2½ in. cal., \$3.00 each.

European Linden. (Tilia Europeaus.) Develop into symmetrical trees that are splendid for lawn, park or street planting. 8 to 10 ft., 2 in cal., \$2.50 each.

# LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as orna mental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 3 to 4 ft., 20c; 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 60c; 7 to 8 ft., 75c; 9 to 10 ft., \$1.00; 10 to 12 ft., \$1.25.

Honey Locust (American.) (Gleditschia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. 4 to 5 ft., 60c; 5 to 6 ft., 75c.

# MAPLE (Acer)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until leaves fall. 8 ft. 2 in. cal., \$3.00; 9 ft., 2½ in. cal., \$4.00 each.

Norway Maple. (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Its compact habit and vigorous growth render it one of the most desirable. 8 to 10 ft., \$2.00 each; 10 to 12 ft., 2in. cal., \$3.00; 10 to 12 ft., 2½ in. cal., \$4.00; 12 ft., 3 in. cal., \$6.00; 4 to 8.00; 4 in. cal., \$10.00 to \$12.00.

Schwedler's Purple Layrad Maple.) A handsome tree.

4 in. cal., \$10.00 to \$12.00.

Schwedleri (Schwedler's Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple. 8 to 10 ft., \$2.00 each; 10 ft. 2 in. cal., \$3.00; 10 ft., 2½ in. cal., \$4.00; 3 to 4 in. cal., \$6.00 to \$15.00.

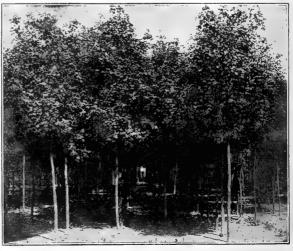
Silver Maple. (Dasycarpum.) Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting. 6 to 7 ft., 50c; 7 to 8 ft., 75c; 10 to 12 ft., \$1.75 each; 10 to 12 ft., \$4.00.

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath, deeply and delicately cut. 8 to 10 ft., \$1.25 each; 10 to 12 ft., \$2½ in. cal., \$3.00; 12 to 14 ft., \$1.25 each; 10 to 12 ft., \$1.25 in. cal., \$3.00; 12 to 14 ft., 3 in. cal., \$3.50.

# MOUNTAIN ASH (Sorbus)

European Mountain Ash. A small pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 8 to 10 ft., \$1.00 each; 10 to 12 ft., 1½ to 2 in cal., \$1.75: 10 to 12 ft., 2 in. cal., \$2.50.

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective, especially in Fall and Winter when covered with its scarlet berries. 12 ft., 2 to 2½ in. cal., \$2.50; 2½ to 3 in. cal., \$3.00 each.



A Block of Norway Maples at Our Nurseries

and Coniferous Evergreens

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will give as thick and dense foliage during the entire season. entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during September or in the early spring, April or May.

We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

# ABIES (Firs)

rachyphylla. (Nikko Fir). A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 3ft., \$3.00; 4 ft., \$4.00; 5 ft., \$5.00 ea. Brachyphylla.

Couglasii. (Douglas' Fir). A fine rapid growing fir, for extensive planting, windbreaks, etc., or as individual specimens. A most valuable timber tree. 1½ to 2 ft., 50c; 2 to 3 ft., 75c each.

# JUNIPERS AND CEDARS

Canadensis. (Canadian Juniper). Of low spreading, irregular form with foliage of light green. Valuable for rockeries and slopes. 3 to 4 ft., \$4.50; 5 ft., \$5.00 each.

Communis Hibernica. (Irish Juniper). becoming one of the best-known and most popular forms of our common Juniper. Of uniform, rapid growth, requiring but little trimming. 1½ ft., 75c; 2 ft., \$1.25; 2½ ft., \$1.50.

Japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 1½ ft., \$1.00; 2 ft., \$1.60 each.

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft. 2½ ft., \$3.25; 3 ft., Specimens, \$4.00; 4 ft., \$5.00; 5 ft., \$10.00; 5½ ft., Specimens, \$12.00; 6ft., Specimens, \$15.00; 6ft. Specimens, \$15.00; 6ft. Specimens, \$15.00; 6ft. Specimens, \$25.00 ft. \$40.00 each. 8 ft. Specimens, \$35.00 to \$40.00 each.

Procumbens. (Trailing Juniper.) Prostrate creeping habit. Fine for growing over rocks and dry banks. 1½ by 3 ft., \$5.00 each.

evergreen, with trailing branches suitable for rock work. 2 ft., Specimens, \$2.00 each; 3 ft., Specimens, \$5.00; 4 ft., Specimens, \$7.50; 5 ft., Specimens, \$10.00 each.

irginiana (Red Cedar.) A rapid, erect grower, with bright rich green foliage. Very ornamental. 1½ to 2 ft., 60c; 5 ft., Specimens, \$8.00 each.

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older. 3 ft., \$3.00; 4 ft., \$4.00 each.

## JUNIPERS—Continued

Virginiana Glauca. (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 2 ft., \$2.00; 3 ft., \$3.00 each.

Virginiana Schottii. Best of all the upright green Junipers; fine pyramidal form with foliage of a peculiar bright green. 2½ ft., \$2.50; 3 ft., \$2.75; 4 ft., \$3.50 each.

# Evergreens for Tubs and Porch Boxes

Owing to the scarcity of Boxwood and Bay Trees, imported from Europe in large quantities previous to the war, Evergreens have been substituted with splendid results as Porch and Wall Specimens, or grouped in porch boxes for autumn and winter use. We can advise the best kinds to use for these purposes and supplies the best kinds to use for these purposes and supplies the best with the president for such that the president for the presi ply shapely bushy specimens for such uses.



JUNIPERUS PFITZERIANA A Graceful Specimen for Lawn or Mixed Border



We have KOSTER'S BLUE SPRUCE in all sizes from 2 to 12 ft. high.



Block of Evergreens at our Nurseries

# LARIX (Larch)

uropaea. (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 3 to 4 ft., \$1.25; 4 to 5 ft., \$2.00 each. Europaea.

# PICEA (Spruce)

xcelsa. (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 1 ft., 35c; 1 to 1½ ft., 50c; 2 to 3 ft., \$1.00; 4 ft., \$2.00; 5 ft., \$3.50; 6 ft. \$5.00. Excelsa. 5 ft., \$3.50; 6 ft., \$5.00.

Excelsa Nigra. (Black American Spruce). A small or medium size tree; a native of North America, of great hardiness, and particularly useful for planting in the Northern States. 1½ to 2 ft., 75c each.

Omorika. (Servian Spruce). A disinct and remarkably ornamental species of dense growth, with narrow outline, having shiny leaves of dark green with white lines above. 4 ft., \$3.00; 5 ft., \$4.00 each.

# Koster's Blue Spruce

FFITZERIANA
for Lawn or Mixed Border

Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for Mountains and the most valuable conifer for the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height Each	Height Each
2 ft\$3.75	5 ft\$12.00 to \$15.00
2½ ft4.20	6 ft 20.00 to 30.00
3 ft 5.20	
3 ½ ft. 8.00 4 ft. 9.00	
4½ ft	10 ft

# PINUS (Pines)

Austriaca. (Austrian Pine). A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 3 ft., \$2.00; 4 ft. \$2.50.

Montana. (Swiss Mountain Pine) An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. Ht. 18 in., diam. 18 in. \$2.00 each.

Mughus. (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown, grayish tinge. 1½ by 1½ ft. \$2.00.



THUYA GLOBOSA

# Coniferous Evergreens—Continued

# PINUS (Pines)—Continued

Strobus. (White Pine). A very beautiful and graceful pine, regular in form with horizontal boughs and dark green foliage, growing quite tall, surmounted by a symmetrically formed crown.

1 ft., 75c; 1½ to 2 ft., \$1.00; 3 ft., \$1.75.

# TAXUS (Yew)

Cuspidata. (Japanese Yew). One of the hardiest, of spreading habit, foliage light green. 2 ft., \$1.75; 3 ft., \$2.50 each.

Cuspidata Brevifolia. A form of the above with short, dark green leaves. A very handsome, hardy variety; rare. 1½ ft., \$2.25 each.

# THUYA (Arborvitae)

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. 15 to 18 in., 35c; 2 ft., 50c; 3 ft., 60c; 4 ft. Specimens, \$2.50; 5 ft. Specimens, \$4.00; 6 ft. Specimens, \$5.00; 7 ft. Specimens, \$6.00 each.

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens. 10 in. by 15 in., \$1.25; 18 in. by 18 in., \$2.00 each.

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green. 1½ ft., \$1.00; 2 ft., \$1.50; 2½ ft., \$1.75; 3 ft., \$2.25 each.

Occidentalis Spiralis. Very hardy and upright compact growth. 2½ ft., \$2.50; 3 ft., \$3.00 each.



PINES MESERS

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has a most beautiful dense and symmetrical form with a rich dark green foliage. 2 to 3 ft., \$2.00; 3 to 4 ft., \$3.00 each.

# **THUYOPSIS**

Standishi. (Japanese Arborvitae). A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist locations.
2% ft., \$1.25; 3 to 4 ft., \$2.50 each.

# TSUGA (Hemlock)

Canadensis. (Canadian Hemlock.) A tall and graceful tree with drooping spreading branches of dark glossy green foliage. 1½ to 2 ft., \$1.00; 2 to 3 ft., \$1.50; 4 to 5 ft. Specimens, \$4.00 each.



IRISH JUNIPER

ARBOR VITAE



BEAR IN MIND.—All the trees, shrubs, and fruit trees offered in this catalog are for fall planting, and the best results will be obtained by planting during October and November. By

so doing they will have made new rootlets and got a "growing hold" in the ground before frost sets in (when all root action ceases) and will be prepared to receive the benefit of the earliest warm spring days and start into growth without delay. Spring-transplanted stock has to lie dormant until new roots are formed for source of nourishment.

Pruning. It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 or 4 buds of the main stem. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

Spraying. Climatic and other conditions vary so greatly for different localities that we strongly advise our customerss to obtain data on what, how and when to spray, and materials to use direct from their own State Experiment Station. All of them publish free bulletins on this subject and can supply information.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

#### SUITABLE DISTANCES FOR PLANTING

Ft. apart each way	Ft. apart each way
Apples, Standard30 to 40	Raspberries
Pears and Cherries 20	Currants, Gooseberries 3 to 4
Plums	Blackberries 3 to 7
Peaches	Grapes 8 to 10
Quinces	Strawberries 1 by 3

#### NUMBER OF FRUIT OR OTHER TREES PER ACRE

1101112	or or recorr	011 011121	THE THE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Distance Apart	No. of Trees		Distance Apart	No. of Trees
3 feet	. 4840		12 feet	302
4 feet	2722		15 feet	193
6 feet	1210		20 feet	108
8 feet	680		24 feet	75
10 feet	430		30 feet	50

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to all freight and express shipments.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

PRICES FOR 3 AND 12 OF A KIND	} Each \$0.35 .40	4.00	Each \$0.50	6.50	Three\$2.25 2.40 2.90	

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

# Trees

WE have some fruiting trees of different sizes not mentioned in the following list; please write us for varieties, sizes and prices.

Autumn Strawberry. Red stripes, very white flesh. Bears young. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 9 ft., \$1.00.

Baldwin. Large roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. and March. 4 to 5 ft., 35c; 5 to 6 ft.; 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Banana. Large clear yellow, fine quality. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Ben Davis. Large, handsome, striped, productive; a large keeper. Tree remarkable healthy and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., 35c; 6 to 7 ft., 75c; 7 to 8 ft., 85c; 8 to 10 ft., \$1.25.

Black Ben Davis. Stronger, hardier, and a better drought resister than Ben Davis; fruit large, solid, deep dark red. A very heavy cropper, and splendid shipper. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted adn rapidly taking first rank. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper. 6 to 7 ft., 65c; 7 to 8 ft., 75c.

Duchess of Oldenburg. Tree, a strong grower, young and abundant bearer, Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept. 5 to 6, ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Gano. Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender pleasant, mild, sub-acid. A good shipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, which it resembles, Feb. to March. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or flush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white tender and juicy. Tree very hardy. Nov. to Feb. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

8 to 10 ft., \$1.25.

Newtown Pippin. Green Newtown Pippin. Medium, roundish; dull green, with a blush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 7 to 8 ft., 75c.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air. Jan. to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25. 8 to 10 ft., \$1.25.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. Does well in this vicinity. Jan. to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Rome Beauty. Large; yellow and bright red; handsome; medium quality, good bearer. Dec. and March. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Salome. Tree a strong grower; holds it fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Snow. (Fameuse). Medium size, roundish, handsome, deep crimson; handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Spitzenburg. Large, oblong and tapering; skin smooth, bright with numerous russet dots; flesh yellow, crisp, juicy, moderate bearer. Dec. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Tolman's Sweet. Medium, pale yellow slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Wagener. Medium to large, roundish oblate; yellow, shaded and marked with red, often full deep red; flesh yellowish, tender, aromatic, mild sub-acid. Nov. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 55c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower Especially desirable in cold sections for its hardiness and productiveness March to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

APPLE, WEALTHY Whealthy. Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively sub-acid; very good. One of the most desirable winter varieties. Oct. to Jan. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with crimson; flesh white, half tender. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear, white at first, becoming a beautiful pale yellow when fully matured. July and Aug. 5 to 6 ft., 50c; 6 to 7 ft., 65c.



The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequalled for jelly and for vinegar, dried or preserved.

Early Strawberry. Greenish yellow, carmine stripes, good quality. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.
Florence. Pinkish red, faintly striped with a dark red, wherever shaded it shows a deep yellow. The fiesh is yellow; crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Siberian. Large, golden yellow; very popular. September. 5 to 6 ft., 50c.

Sweet Orange. A seeding of the old Orange Crab, and resembles it somewhat, though more flat in shape and a lighter color. It is one of the most delicious fruits to eat out of the hand. September. 5 to 6 ft., 50c; 6 to 7 ft., 65c.

Transcendant. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

# CHERRIES

Dychouse. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., 50c; 5 to 6 ft. 60c. Early Richmond. Medium size, dark red; melting, juicy sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

Montmorency. A popular market variety; good for all purposes. Vigorously grower, very productive. Fruit, large, light red; ten days later than Early Richmond. Late June. 4 to 5 ft., 50c; 6 to 6 ft, 60c.

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., 50c; 5 to 6

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., 50c; 5 to 6 ft , 60c.

Great Bend, Kansas, 5-29-17.
Gentlemen.—"The two orders for Nursery Stock filled by you recently have proved to be very satisfactory as to quality, and as to promptness with which we received them." ARTHUR P. SMITH.



An 8 to 10-ft. Apple tree, photographed at our nursuries; note fibrous roots and well-branched head.

APPLE, GRIMES' GOLDEN with a brisk, rich flavor. A



## FRUITING PEAR TREE

# Vaughan's Fruit Trees

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 it., 60c; 5 to 6 ft., 75c. 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.25.

Clapp's Favorite. Very large, yellow and dull red; very fine. August. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.25.

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., 60c; 5 to 6 ft., 75c. 6 to 7 ft., 85c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.25.

Early Harvest. Early. Good size. 6 to 7 ft., 85c; 8 to 10 ft., \$1.25.

Flemish Beauty. Large, juicy, rich, one of the hardiest. Sept. and Oct. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 6 to 7 ft., 85c; 7 to 8 ft., \$1.00.

Kieffer. Good for preserving and canning; extra large; good bearer. Oct. 5 to 6 ft., 75c; 6 to 7 ft., 85c; 7 to 8 ft., \$1.00; 10 to 12 ft. Specimens, \$1.50.

Koonce. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 5 to 6 ft., 75c; 6 to 7 ft., 85c.

Seckel. Small, yellowish brown, red cheek; best to eat out of hand, or pickle. 4 to 5 ft., 60c; 5 to 6 ft., 75c.

#### PLUMS

Compass. (New.) A cross between the Sand Cherry and Miner Plum. Very prolific, the fruit being large, bright red, sweet and juicy. On account of its hardiness, very desirable for Northern sections. 4 to 5

Abundance. This is the plum for you, if you try

but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., 50c.

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 ft., 50c.

De Soto. Very hardy, bright red. September. 4 to ft., 50c.

Shropshire Damson. Of fine quality; flesh is ambercolored, juicy and sprightly; seldom attacked by the curculio. 4 to 5 ft., 50c.

Stoddard. One of the largest of our native plums. Color is light pinkish red, very handsome, with a tough sweet skin. 4 to 5 ft., 50c.

Wolf. Very popular, large, immensely productive. August. 4 to 5 ft., 50c.

# QUINCE

Meech. A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 3 to 4 ft., 50c; 4 to 5ft., 75c.

Orange. Large, bright yellow, fruit of excellent flavor. 4 to 5 ft., 75c.

PEACHES-These should not be planted until spring. For varieties and prices see our 1919 Spring Catalogue. Ready January 1.

# - RHUBARB -

VAUGHAN'S MAMMOTH RHUBARB ROOTS.

1 year, each, 10c; doz., \$1.00; per hundred, \$6.00. 2 year, each, 15c; doz., \$1.50; 100, \$12.00.

Extra strong clumps, for forcing, each, 50c; per

Mammoth size, each, 75c; doz., \$8.00.

# Vaughan's Small Fruits

# Blackberries

Price, eacn, 10c; per doz., 75c; per 100, \$3.00. If to go by mail, add 10c per dozen, 35c per 100, for postage.

Eldorado. Vigorous and hardy. Berries large, jet black.

Himalaya Giant. New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on trellis. Fruit large, black; has yielded as much as 400 crates per acre.

Hardy, enormously productive, medium size, sweet and juicy. Stone's Hardy. Best variety for the north; fruit rich and melting.

#### Currants

Price, (Except where noted) 2-year, each 15c, 3 for 40c, doz. \$1.50; 3-year, each 25c, 3 for 65c, doz. \$2.50.

If to go by mail, add 3c each for 2-year and 5c each for 3-year plants. The larger plants should be expressed.

Boskoop Giant. (Black.) This famous currant of strong growth and free-bearing quality is in great demand, being especially adapted for preserving. 2 and 3 years, prices as above.

Cherry. The largest of all red currants; bunches short.

Fay's Prolific. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive.

Lee's Prolific. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. 2 and 3-year, prices as above.

North Star. (Red.) Bright in color; early and prolific.

Perfection. (New.) (Red.) Very large. A very productive variety with berries about as large as grapes; mild in flavor and free from sharpness. 2-year, each, 25c; 3 for 65c; doz., \$2.50.

Red Dutch. The old well known red currant. Berries medium size, dark red. White Dutch. A popular currant, abundant producer. 2 and 3-year prices as above; 4-year, each, 35c; 3 for 85c; doz., \$3.00.

White Grape. Very large; yellowish white and most productive of the white varieties; mild, sweet flavor.

# Gooseberries

Price, 2-year plants, by express, each 25c; 3 for 65c; doz., \$2.50; 3-year plants, by express, each, 35c; 3 for \$1.00; doz., \$3.50.

Downing. Largest of our native Gooseberries; pale green; very sweet. Houghton. Well known, medium size, pale red, very productive.

ed Jacket. It is the best Red Gooseberry in existence; has good foliage; mildew proof; yields well; smooth, bright red color and of excellent quality. Transparent. Large, yellowish green fruit. Very juicy and excellent flavor. We offer 2-year old bushes only.

Grapes

Price (except where noted), 2-year, by express, each 20c; 3 for 55c; do \$2.00; 3-year extra heavy, by express, each 30c; 3 for 80c; doz., \$3.00.

\$2.00; 3-year extra heavy, by express, each 30c; 3 for 80c; doz., \$3.00.

Agawam. (Red or Maroon.) Bunch usually loose; shouldered; berries large; skin thick, flesh pulpy, meaty, juicy and of a rich aromatic flavor; ripens about time of Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned leaving long canes.

Brighton. Dark red, bunches large; medium size, skin thin, flesh tender. Must be grown with other sorts, as it does not pollenize itself.

Campbell's Early. A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. 2-year-old vines, by express, each, 30c; 3 for 80c; doz., \$3.00; 3-year-old, by express, each, 40c; 3 for \$1.10; doz., \$4.00.

Catawba. Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

Concord. Well known, reliable, deep purple.

Concord. Well known, reliable, deep purple. Delaware. Bunches small, light red; flesh very juicy. Bunches small, compact, shouldered; fruit small, round; skin thin,

Diamond. The leading early white grape. Bunch medium, variety large white with rich yellow tinge; juicy, almost free from pulp.

Niagara. Vine hardy; unusually strong grower; fruit light greenish white, slightly ambered in the sun; skin thin, tough; sweet to center.

Moore's Early. Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific. Worden. Black, handsome, compact bunch; ripens earlier than Concord.

# Raspberries

Price (except where noted), each, 10c; doz., 75c; per 100, \$3.00. If to go by mail, add 10c per doz., 50c per 100 for postage.

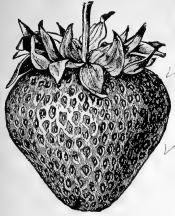
Colossal. Truly colossal fruit; dark red berries; sub-acid flavor. Columbian. Valuable and profitable. The fruit is cone-shaped of dark red. Gregg. Large Black Cap; heavy bearer.

Loudon. It is almost ever-bearing; fine deep red fruit: large and prolific. The best of all Black Caps; berries large or larger than the Gregg

Older. Of strong growth; fruit of a shiny coal black without bloom; rich, juicy. Older. Of strong growth; fruit of a sinay coal black without bloom; rich, juncy.

St. Regis. (New Ever-Bearing Raspberry.) Gives raspberries for four months
the first year planted. The berries are large and of very fine quality, rich and
sugary, and keep longer after picking than any other red raspberry. They are
of a bright crimson color, and firm, meaty substance. Awarded the highest
certificate of merit by the American Institute of New York. Strong,
transplanted canes, per doz., \$1.00; per 100, \$5.00.

The Herbert. (New.) A very strong grower, hardy and very productive.
Fruit large to very large, conical, bright to rather deep red, moderately firm;
sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to
the present time. Per doz., \$1.00; per 100, \$5.00.



SENATOR DUNLAP

# Strawberries GROWN

VARIETIES marked (\*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (\*) sorts are the most productive.

GIBSON (Mid Season). This is a new variety that is coming to the front very fast. Gibson commences to ripen with Senator Dunlay, but owing to its great productiveness it continues till quite late. It is a strong grower, with long roots that withstand dry weather, has dark, heavy green foliage. Berries are extra large and the vines are loaded with fruit.

KELLOGG'S PRIZE (Mid Season). Remarkable for the high quality of its fruit and for its immense yields which have made it famous wherever grown. This variety fruits from mid-season to extremely late. The fruit is of high color, delicious flavor and large size, an ideal berry for the family garden or for the extensive grower. It is claimed to cover a long season and bear a little later than Sample.



POT-GROWN STRAWBERRY PLANT

SENATOR DUNLAP (Mid Season). One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need to plant it.

SAMPLE.\* (Late). Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

Price of above, per doz., 75c; 50, \$2.75; 100, \$5.00, by Express.

EVERBEARING STRAWBERRIES. Everbearing Strawberries are no longer an experiment. They are a success, becoming essential all over the country, and are making good every place they

have been tested. For best results the blossoms should be kept picked off until the middle of July. This will assure a good crop for fall. The variety we list is the best of all the Everbearing varieties, being a strong grower and heavy yielder.

PROGRESSIVE. You can have Strawberries just as easily in the Fall as in the Spring by planting the Progressive, which is the best of all the Fall or ever-bearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenominal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

Price, per doz., 75c; 50 for \$2.75; 100 for \$5.00, by Express.



AMPELOPSIS ENGELMANNI

# Hardy Climbing Vines

Especially Suited for Fall Planting

CLIMBING vines are as necessary to the comfort and beauty of a home, as the trees and shrubs planted around it. They are cheerful and cooling in climbing over bowers and summer houses, and wild and natural running over trees and stumps. They ramble over unsightly neglected places, and make them beautiful with fragrant brilliant flowers. The ones offered here are all perfectly hardy, and suitable for planting in the fall; require little attention afterwards, beyond training in the manner desired.

# Akebia Quintata

ABEAUTIFUL, hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 years old, 35c each; 3 yrs., 50c each.

# Ampelopsis-Woodbines and Ivies

HARDY ornamental vines, climbing by tendrils. They are well adapted for arbors and trellises, and thrive in almost any moist, fertile soil.

A vigorous sort, leaves digitate and deeply cut.

Dumetorum Laciniata. year old, each 35c; 3 year old, each, 50c.

Engelmanni. (Engleman's Ivy). One of the hardiest, best and quickest growing climbers for the north and

northwest. Quite similar to the Virginia Creeper but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, 25c; 3 year, 35c; 4 year 40c each (Exp.)

Lowii. A beautiful new Ampelopsis with small palmate leaves, and of a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4 inch pots, each 50c postpaid.

Quinquefolia. (Virginia Creeper or Woodbine). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Verv hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 years, each 20c; doz., \$2.00. Extra strong, 3 year, each 25c; doz., \$2.50; 4 year, 30c; doz., \$3.00, by express.



AMPELOPSIS VEITCHII (Boston Ivy)

CLEMATIS PANICULATA

# Ampelopsis Veitchii

(Boston Ivy)

THE grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

4-in., pot grown, each, 35c; doz., \$3.50: by express.

# Aristolochia Sipho

(Dutchman's Pipe)

Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 yr., 50c; 3 yr., 60c each (exp.)

# Bignonia

Radicans. (Trumpet Vine.) Dark red. orange throat, free blooming. Very hardy and rapid grower. Used for covering and rapid grower. Used for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2-yr., 35c; by ex-

press.

# Celastrus

Articulatus. (Jap-anese Bitte: Sweet.) Vigorous climber with

almost round, bright green leaves, and orange-yellow cap-sules in the fall. This variety fruits earlier and more freely than C. Scandens, and is one of the best vines to be had for a porch. 2 years, each, 30c; doz., \$3.00; 3.year, each, 40c; doz., \$4.00.

Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves: yellow flowers in may and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 years (strong), 30c; per doz., \$3.00; 3-year (strong), 40c; per doz., \$4.00.

# Clematis Paniculata Japanese Clematis

THE finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc., the flowers are pure white, deliciously fragrant, and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and the most popular of all the small flowered vines. 2-year, each, 30c; per dozen, \$3.00; (by express); 3-year, each, 50c; per dozen, \$5.00; (by exp.)

The large-flowered Clematises, and hybrids of C. Coccinea (including many new charming colors), are best planted in Spring, and will be offered in our 1919 Spring Catalog.

# **Euonymus Radicans**

AN evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2-year, each, 35c; per doz., \$3.50; (by express).

# Euonymus Vegetus Evergreen Bittersweet

A valuable Evergreen vine, for walls or ground cover. It has large leaves and is perfectly hardy except in very exposed Northern situations, where it will need a little winter protection. This is the hardiest Evergreen Vine we have in Northern States. 2-year, each, 40c; per doz., \$4.00.

# Special Purpose Climbers-

Climbers for Shady Places, Aristolochia Sipho, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.
Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Pani-

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis, all large flowering types, such as C. Jackmanii, Henryi, etc., Ampelopsis Veitchii (Boston Ivy).

Climbers for Eastern Aspect, Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine.

N. B.—Some of these should not be planted in the Fall and have been omitted from this Catalog on that account. See 1919 Spring Catalog.

# Climbing Vines-continued

Lonicera - The Climbing Honeysuckle HARDY vines with showy and usually very sweet scented flowers. They thrive in almost any kind of soil and are very

valuable for covering walls and trellis work, and as a ground cover, where they should be allowed to ramble without support of

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles; produces continuously large trusses of red and yellow fragrant

suckles; produces continuously large trusses of red and yellow fragrant flowers.

Flava. Green foliage, yellow flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage most all winter and covered with sweet, yellowish-white flowers nearly all summer.

white nowis hearly an summer.

Japonica Halleana. (Hall's Japanese.) Almost an evergreen sort, flowers pure white, changing to yellow. July to November.

PRICE: Strong 2-year-old vines, each, 35c; 3 for \$1.00; doz., \$3.50; by express. Heavy 3-year-old vines, each 50c; 3 for \$1.35; doz., \$5.00; by

# Matrimony Vine - Lycium Barbarum

WELL known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-year-old plants, each, 35c; dozen, \$3.50; 3-year-old plants, each, 50c; dozen,

# Periploca - Silk Vine

Graeca. A rapid-growing beautiful climber; will twine around a tree or other support to the height of 30 or 40 feet. Foliage glossy and purple-brown auxiliary clusters of flowers. 2.year-old plants, each, 35c.

# Vitis - Grape

Heterophylla. handsome climb-ing plant with deeply lobed leaves, sometimes sprinkled with white and pink. Good for low trellis work Clusters of light blue showy berries. 2 yr., 50c; 3 yr., 60c each (exp.)

Riparia. (Wild Grape.) We have

fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. 2 yr., each, 30c; 3 for 85c; dozen, \$3.00; 3 yr., 50 each; (by express).

BIGNONIA RADICANS (Trumpet Vine)

# Wistaria

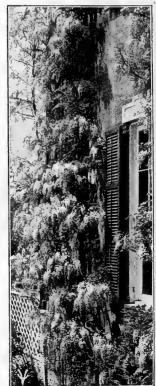
STRONG growing vines that wrap themselves tightly about any support and are valued most for covering bowers, porches, pergolas and training over tree trunks. In May they bear abundant drooping clusters of flowers, similar in shape to those of a Sweet Pea, and occasionally a lighter crop follows in August. August.

fagnifica. Flowers in dense, drooping racemes of a pale lilac color; vigorous and perfectly hardy. 2-year-old plant, each, 50c; 3-year-old plant, each, 50c; 4-year-old plant (extra strong), each, Magnifica. 75c; (by express).

# Vaughan's Selection of

# Shrubs for Hedges

BUSH Honeysuckle, Hydrangea Pani-culata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei,



WISTARIA

# VAUGHAN'S POULTRY DEPARTMENT

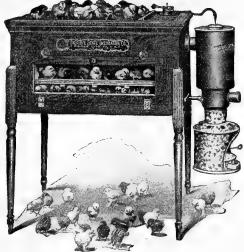
# Prairie State Incubators

THE improved Prairie State Incubators are not only the most successful hatchers, but are honestly made—dependable, durable machines through and through. They are made to adjust themselves automatically to existing conditions, and consequently they overcome the possibilities of neglect or ignorance of the operator. This means a great deal, as even the expert operator is liable to forget his machine.

Their construction is such as to make them of highest utility in any ordinary room in summer or in winter, without artificial heat in the coldest weather.

The Prairie State Incubator case is insulated, heavy and permanent. The heater is powerful and efficient, ventilation is free, and humidity is automatically supplied under every possible external condition. The regulator is sensitive and automatic.

The widest practice has conclusively demonstrated the entire Prairie State make-up to be such as to insure a latitude greater than that of any other incubator on the market to-day.



PRAIRIE STATE No. 1.

 No. 0, 100 eggs; 135 lbs. crated; price
 \$31.00

 No. 1, 150 eggs; 150 lbs. crated; price
 39.00

 No. 2, 240 hen eggs; 225 lbs. crated; price
 55.00

 No. 3, 390 hen eggs; 325 lbs. crated; price
 70.00

 KEYSTONE SERIES No. 0 Keystone, 60 hen eggs; 60 lbs crated; UNIVERSAL HOVER PRAIRIE STATE PORTABLE HOVER

STANDARD SERIES

COMBINATION COLONY HOUSE BROODERS
No. 1 (outdoor) weight, crated, 300 lbs. . . . . \$30.00
No. 2 (outdoor) weight, crated, 208 lbs. . . . 27.50
No. 3 (outdoor) weight, crated, 150 lbs. . . . . 22.00
Heat regulator attached to any of the above brooders \$1.25 extra.

PRAIRIE STATE STOVE BROODERS Senior, capacity 250 to 1000 or more chicks. . \$40.00 Junior, capacity 250 to 700 or more . . . . 25.00 Junior, No. 0, capacity 250 to 500 or more. . . 18.00

ON ACCOUNT OF THE VARIATIONS OF THE MARKET WE ARE UNABLE TO QUOTE LIST PRICES ON SEEDS

# Conkey's Preparations CONKEY'S LICE LIQUID

CONKEY'S LICE LIQUID

THERE are a great many poultrymen who do not seem to understand that the Mite requires entirely different treatment than the ordinary louse. There is no powder made that will entirely rid you of the mite, and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. In our opinion, the Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer. 1 qt. can, 50c; ½ gal., 75c; 1 gal., \$1.25.

Conkey's Noxicide. Disinfectant. deodorant Conkey's Noxicide. Disinfectant, deodorant and germ destroyer. Price, 1 pt., 40c; 1 qt., 70c;

2 qts., \$1.00; 1 gal., \$1.75. Conkey's Head Lice Ointment. Price, 1 oz., 15c; 3 oz., 30c.

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., 30c; 48 oz., 60c.
Conkey's White Diarrhoea Remedy. Price, large box, 60c; small box, 30c.

Conkey's Roup Cure. Price, pkg., 30c, 60c and

Conkey's Poultry Tonic. A general invigorator. Price, 30c, 60c and \$1.20. Conkey's Gape Cure. Price, per can, 30c and 60c Conkey's Scaly Legs. Price, per can, 30c and 60c Poultry Worm Remedy. Price, per can, 30c and 60c

# Pratt's Preparations

Pratt's Roup Cure. Package, 25c; 50c and \$1.00.
Pratt's Roup Pills. Package, 25c and 50c.
Pratt's Scaly Legs Remedy. Package, 25c.
Pratt's Bronchitis Remedy. Package, 25c. Pratt's Bronchitis Remedy. I accage, 25c; 50c. Pratt's Condition Tablets. Package, 25c; 50c. Pratt's Lice Killer, 1 lb. can 25c; 2½ lbs. 50c. Pratt's Sorehead and Chicken Pox Remedy, per box, 25c and 50c. Pratt's Cholera Remedy, per box, 25c and 50c. Pratt's Gape Remedy, per box, 25c and 50c. Pratt's Poultry Regulator. Per pkg., 25c and 50c; 12 lb. pail, \$1.25; 25 lb. pail, \$2.50.

# - Germ-U-Di

#### THE CHICKEN REMEDY

A general antiseptic, germicide and disinfectant for treatment of the skin and mucous membrane of the chicken's head and body.

For Roup, Colds, Swelled Heads, Bowel

14 oz. bottle......50 cents 32 oz. bottle.....\$1.00

# Vaughan's Ground Beef Scraps

THIS is the finest thing we know of to cause hens to lay during the winter. Feed 3 times a week at the rate of 1 oz. to each fowl, mixed with the daily mash.

As high prices for eggs prevail at this season of the year, it makes very profitable feeding.

Prices on application



All prices of Feeds are subject to change without notice.

Write for Complete Poultry Catalogue



# **FUL-O-PEP** Poultry Feeds

# Ful-O-Pep Scratch Feed

contains no grit or shell. Every

contains no grit or shell. Every ounce is pure, sound grain. The mixture is scientifically prepared to make it the best balanced ration, especially when fed in conjunction with Ful-O-Pep Dry Mash. It contains such grains as Corn, Wheat, Buckwheat, Barley, Kaffir Corn, Sunflower Seed, etc. Price on Monthly Order Blank. Mailed Free. Ask for it.

Ful-O-Pep Dry Mash—the feed that produces the egg—should be fed in open hoppers at all times. Ful-O-Pep Dry Mash is a finely ground food, consisting of the various grains, in the proper proportion, to produce eggs without forcing or fattening. Price on Monthly Order Blank. Mailed Free. Ask for it.

Leader Adjustable Leg Bands. Price, doz., 15c; 25, 25c; 50, 40c; 100, 75c; postpaid. Improved Champion Leg Bands. Price, dz. 15c.

Wire Hen Nests. Each, 20c; ½ doz., \$1.00; doz., \$1.50.

Porcelain Nest Eggs, each 3c; 2 for 5c; doz., 25c.

Porcelain Nest Eggs, each 3c; 2 for 5c; doz., 25c. Vaughan's Pigeon and Poultry Fountain—Price, ½ gal. size, 75c; 1 gal. size, 90c.

Peerless Drinking Fountain. Price, 80c; with heater, \$2.00. Heater alone, \$1.25.

Moe's Top Fill Drinking Fountain. 1 gal, \$1.50; 2 gal., \$2.00; 4 gal., \$2.50.

Vaughan's Earthenware Fountain. Price, 1 qt., each, 35c; doz., \$3.85; 2 qt., each, 45c; doz., \$4.90; 4 qt., each, 60c; doz., \$6.50.

Vaughan's Grit and Shell Box. Three compartments; very economical. Price, \$1.00; doz., \$11.00.

Reliable Egg Carrier. Compact and durable. A No. 1 Filler, each, 50c; per doz., \$4.25.

Long Style Egg Carrier. Per doz., 25c; 25 for 45c; 50 for 80c; 100 for \$1.50; 1000 for \$13.00.

All Wood Shipping Coops. Best on market.

			P	DONG OIL	mun nou.
No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	\$0.40	\$4.00
2	18	18	18	.45	4.50
3	12	21	21	.45	4.50
4	18	21	21	.50	5.00
5	30	21	21	.60	6.25
6	30	21	21	.65	7.00

## PIGEON SUPPLIES

Jersey Perch. Best on the market. Each, 8c;

Jersey Feren.
doz., 85c.
Vaughan's Pigeon Food. Put up as follows:
5-lb. cartons 50-lb. sacks
95-lb. sacks 100-lb. sacks

# Prices on application

Foust's Health Grit. An all-round condition powder.5 lbs., 25c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.10.



# ASPARAGUS - BONVALLET'S GIANT, 4 Years from Planting

#### For Fall JGHAN'S VEGETA Planting

# VEGETABLE ROOTS

# French Endive Witloof Chicory

The roots are planted in earth in the cellar and hilled up for bleaching like celery or white asparagus. A delicious winter salad. Price, doz., 40c; 25 for 75c; 100, \$2.75; 500 for \$12.00 (by express). (Full directions with each order.)

## Sea Kale Roots

A delicious vegetable combining the flavor of celery and asparagus, bleaches and forces easily, in an ordinary cellar. Price, doz., 65c; 25 for \$1.10; 100, \$4.00; by express.

Extra strong clumps Rhubarb Roots for forcing

Price, each. 50c; doz., \$5.00; mammoth size, each, 75c; doz., \$8.00. (express.)

Asparagus	1-Y	ear C	old	2-	Year	Old	3-	Year (	Old
Roots	Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant Barr's Mammoth. Argenteuil (Giant Conover's Colossal Columbian Mam't Palmetto If by mail add	\$0.15 10 h	\$1.15	\$7.50 6.00 6.00	\$0.25 .20 .20 .15 .20		\$11.00 8.00 8.00 7.00 8.00 7.00	\$0.40 .35 .35 .30	\$2.50 2.00 2.00 1.85	\$20.00 17.00 17.00 16.00
postage as follows:		100, 3		. 1	100, 5	0c	By e	xpres	s only.

### Winter Onion Sets

These are used for producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stock. Very productive, perennial and perfectly hardy. Planted in the fall to depth of 3 to 4 inches. Pt., (½ bb.) 15c; qt., (1 lb.) 25c· pk., (7 lbs.) 80c; ½ bu., (14 lbs.) 1.50; bu., (28 lbs.) \$2.75.

# Forcing Melons-For Greenhouse

Emerald Gem Forcing. Vaughan's Prolific Forcing. A1 Superb. Scarlet flesh. Best of All. Green flesh. Blenheim Orange. Scarlet flesh Prices of above, each, Pkt., 25c.

Diamond Jubilee. Green flesh. Invincible Scarlet. Scarlet flesh. Royal Sovereign. White flesh. Turner's Hybrid. (Best America Ringleader. (Best American). Beans
Triumph of the Frames. For forcing or growing under glass. Very small slim pods making the famous French (Haricot) style of bean.
Pkt., 15c; ½ pt. (8 oz.), 25c; pt. (1 lb.), 50c; qt. (2 lbs.), 90c.

Cabbage Copenhagen Market. A new Danish, early, hard-heading uniform ripening variety. Pkt., 15c; ½ oz., 60c; oz., \$1.00,

uniform ripening variety. Fkt., 15c; 72 02., 60c; 02 1/4 lb., \$4.00.
Early Jersey Wakefield. Vaughan's selected stock.
Pkt. 10c; 1/2 02., 40c; 02., 75c; 1/4 lb., \$2.50.
Large Jersey or Charleston Wakefield.
Pkt, 15c; 1/2 02., 40c; 02., 75c; 1/4 lb., \$2.50.
All Head or Faultless. Pkt., 15c; 1/2 02., 40c; 02., 75c; 1/4 lb., \$2.50.

Cauliflower Vaughan's Earliest of All. A forcing strain, sure header earliest. Pkt., 25c.

Vaughan's New Snowball. The best for early and late summer and fall crops. A wonderful strain of the popular Snowball variety.

Pkt., 25c; ¼ oz., 85c; ½ oz., \$1.60; oz., \$3.00.

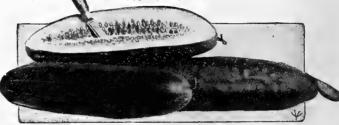
# Cucumber\_English Frame Varieties

Rollison's Telegraph. Greenhouse, English grown. Pkt., 50c.
Noah's Forcing. Pkt., 50c.
Prescott's Wonder. Pkt., 25c.
Grand Rapids Forcing. An extra long white spine, crossed with an English sort. Very prolific. Pkt. (65 seeds), \$1.00; small pkt. (30 seeds), 50c.

GREENHOUSE AND FRAME VARIETIES

GREENHOUSE AND FRAME VARIETIES

Davis' Perfect. (Vaughan's Select Stock.) Selected for length and tapering ends. Extra fine color. Pkt., 10c; oz., 15c; ½ lb., 50c; 1 lb., \$1.50. Stock seed selected for forcing. Pkt., 15c; 2 pkts., 25c; ½ oz., 60c; oz., \$1.00. Extra Long White Spine. One of the favorites of greenhouse growers raising for market. Twelve ins. long and fine green color. Selected stock. Pkt., 5c; oz., 15c; Vaughan's Size and Pkt., \$1.40. The best for Southern truckers. color just right. oz., 15c; ½ lb., 50c; 1 lb., \$1.50.



TYPE OF DAVIS PERFECT CUCUMBER

# Alfalfa, (V) Brand

A short crop in sight. We have a limited amount of fancy non-irrigated seed carried especially for the fall trade. Prices Sept. 1st, subject to change. (Write for samples.)

Per Bu.	100 Lbs.
Dakota Grown\$16.10	\$26.00
Western	22.00
Everlasting Grimm (Dakota grown). (Per lb., 75c, postpaid;	
5 lbs., \$2.50, express)	45.00
Liscomb (Variegated flower). Extra hardy with lateral roots. 24.30	40.00
New 2 bu, grain bags each 70c extra.	

# Clover, (V Brand

Present war conditions make market subject to large fluctuations. Add postage on single pounds. Sept. 10 prices below:

Medium Red, Fancy		10 lbs. \$3.50	Per Bu. \$20.00	100 Lbs. \$33.00
Medium Red, Choice	.38	3.40	19.50	32.00
Mammoth Red, Fancy	.40	3.50	20.00	33.00
Mammoth Red, Choice	.38	3.40	19.50	32.00
Alsike, Fancy	.35	3.00	17.00	28.00
Crimson Clover, Choice	.30	2.65	14.75	24.00
Write for samples. New two bushel gr	ain b	ags, 70c	each ext	ra.



# Vaughan's Grass

# Bokhara or Sweet Clover

White Flowered. Hulled. 1 lb., 35c; 10 lbs., \$3.20; 100 lbs., \$30.00.

Timothy, Brand

Market strong, subject to fluctuations. Highest germination and purity. Write for samples. 10 lbs., \$1.30; bu., (45 lbs.) \$5.00; 100 lbs., \$10.50.

New two bushel grain bags, 70 cents each extra.

# The Famous Klondyke Wheat

A bald, or smooth wheat, redchaffed, with fine amber grain. Grows very rank, with good stiff straw, having strength to hold up the heavy heads. Has displaced Golden Chaff in localities where the two varieties were grown. Prices by freight or express. Pk., \$1.00; bu., \$3.50; 10 bu., \$32.50; 12 oz. grain bags, 50c each extra. If to be shipped from New York, add 20c per bushel to these

# Turkey Red Wheat

Well bearded. Selected stock. The bearded are by far the hardiest of the winter wheats. The heads of the Turkey Red are a good size and the plants stool out well. Carefully recleaned. Prices by freight or express, at purchaser's expense. Pk., \$1.00; bu., \$3.50; 10 bu., \$32.50; 16 oz. grain bags, 65c each extra. If to be shipped from New York, add 20c per bushel to these prices.

# Winter Vetch, Also Called Hairy or Sand Vetch

Sow early in fall. Especially fine for orchard covering. It succeeds well in all soils and withstands extremes of heat and cold. Remains green and furnishes pasturage all winter. Write for our booklet. Sow ½ bu. (30 lbs.), per acre. Price by freight or express: Bu., \$12.30; 100 lbs., \$20.00; grain bags. 65c extra.

Winter Rye

New Rosen Rye. A large-headed four-row Winter Rye, recently introduced by the Michigan Agricultural Experimental Station, and now the most popular and heaviest yielding variety in that state and Northern Indiana and llinois; yields 20 to 30 per cent heavier than the common variety. Pk., 90c; bu., \$2.80; 10-bu. lot, \$25.00; 2-bu. grain bags, 65c. each extra. If shipped from New York add 20c. per bushel to these prices.

Common Rye. Our seed is a nice, clean, heavy yielding strain. Pk., 85c.; bu., \$2.35; 10-bu. lot, \$22.00; 2-bu. grain bags, 65c. each extra. If shipped from New York add 20c. per bushel to these prices.

NOTE—Seeds Per Parcel Post. Prices per plate, or az., and 4 lb., in-

NOTE.—Seeds Per Parcel Post. Prices per pkt., or oz., and ¼ lb., include postage—larger quantities at rates on inside front cover.

# SEEDS AND ROOTS

# For Greenhouse Frame or Garden

# Lettuce

GRAND RAPIDS FORCING Vaughan's Selected Stock For Greenhouse
Use. This grand forcing variety is the hardiest of all sorts for greenhouse
use and is planted now to the exclusion of almost all other sorts for the
purpose. Our strain cannot be surpassed in quality. Bred from single purpose. Our strain cannot be surpassed in quality. Bred from single plant selections.

Vaughan's Extra Selected Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1 lb., \$1.50.

Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; 1/4 lb., 30c; 1 lb., \$1.00. BLACK-SEEDED SIMPSON. Forms large, loose leaves of ideal color. A good variety for use under glass and best for early outdoor planting. Vaughan's Select Stock. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.50.

An excellent head lettuce. Pkt., 5c; oz., 20c; 1/4 lb., 40c; 1 lb., \$1.25.

VAUGHAN'S BIG BOSTON Re-Selected Stock—Most Popular Strain for Southern Planting. This is the early lettuce so much planted in the south. Vaughan's Big Boston is standard throughout Florida. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.50.

# Onion Seed

# Bermuda Onion Seed-Teneriffe Grown

(For Southern Planting.) The crop on the White or Yellow Bermuda is very short this year. There is a fair supply of the Crystal White Wax. The seed may arrive late and we offer subject to arrival, for this year's planting, as follows:—
White Bermuda. Pkt. 10c; oz. 30c; ¼ lb. 75c; 1 lb. \$2.50.
Crystal White Wax. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50.
Write or wire for latest quantity price.

WHITE WELSH ONION. For green onions. Hardy with slight protection. Pkt. 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., \$3.00.



MUSHROOMS GROWING IN A BASEMENT.

# and Farm Seeds

For Fall Sowing

# Grass Seeds

VAUGHAN'S "CHICAGO PARKS" LAWN MIXTURE produces beautiful and permanent turf. They are as free from weeds and chaff as human skill and scientific machinery can make them. We invite microscopic examination, comparison and analysis. Price per ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$15.25; 100 lbs., \$30.00.

VAUGHAN'S "COLUMBIAN LAWN" GRASS SEED. VAUGHAIN'S "COLUMBIAN LAWN" GRASS SEED. Vaughan's Columbian Lawn Grass Seed is a selection of the finest grasses which naturally thrive under shade of trees or buildings, or suitable for light sandy solls. This mixture produced lawns of beauty at the Columbian World's Fair, where it was used extensively and gave splendid results. Sow at least 100 lbs. per acre for new lawn, 50 lbs. per acre for thin grass. Price per ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 51bs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$1.50; 50 lbs., \$30.00.

VAUGHAN'S QUICK SOD. A new mixture put up for fall sowing and first planting on new soil. Quick growing, hardy grass; produces good sod that will winter without killing out. Price, per ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$15.25; 100 lbs., \$30.00.

KENTUCKY BLUE GRASS we offer in two grades. Ex Seed, sun-dried, twice re-cleaned. Very high germination. 1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00; 100 lbs., \$28.00. Fancy Seed. Actual weight 21 lbs. per bu. 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.75; 100 lbs., \$25.00.

RED TOP GRASS. Fancy. Crop very short. Solid seed, bushe, 32 lbs. 1 lb., 25c; 10 lbs., \$1.85; 100 lbs., \$16.00.

Common. Unhulled. Bushel 14 lbs. 1 lb., 15c; 10 lbs., \$1.30; 100 lbs., \$10.00.

WHITE CLOVER. Extra fancy seed. 1 lb., 70c; 3 lbs., \$1.95; 10 lbs., \$6.20.

# Vaughan's Lawn Fertilizer

The high-gradefertilizer sold by Vaughan's Seed Store is immeasurably superior to the best rotted manure. It supplies the essential plant food, which, grass being a voracious feeder, requires to produce the velvety texture and beautiful color, so attractive and inviting to the eye.

Price, 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.85; 100 lbs., \$5.00; 200 lbs., \$9.00; 500 lbs., \$19.50; 1,000 lbs., \$36.00; 2,000 lbs., \$69.50.

## Radish

Vaughan's Cardinal Forcing. New. Best forcing radish today. Few days earlier than Scarlet Globe, runs more even in shape, a richer dark red; small tops; flesh firm and crisp; very few cracked bulbs. Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., \$3.00.

Improved Early Scarlet Globe. Vaughan's Selected Stock. The standard red radish for hot bed and forcing use. An unequalled strain of this most popular sort.

Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., \$3.00.

Regular Stock American Grown. Pkt., 5c; oz., 20c; 14 lb., 60c; lb., \$2.00.

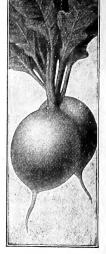
Giant Butter Radish. An improvement on the Crimson Giant. The largest of the early forcing

Pkt., 10c; oz., 20c; 1/4 lb., 85c; lb., \$3.00.

Crimson Giant. A standard, very large and early forcing radish, a fine strain. Pkt., 10c; oz., 25c; ¼ lb.; 75c; 1 lb., \$2.50.

Vaughan's Early Carmine Turnip. The earliest, all scarlet, turnip-shaped radish. Earlier than Scarlet Globe.

Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.50.



CARDINAL FORCING

# Spinach

Extra Large Round Leaf, Monstrous Leaved Viroflay, and Vaughan's Norfolk Savoy. Oz., 15c; 1/4 lb., 45c; 1 lb., \$1.50.

# Tomatoes

For Under Glass. Best Re-selected Stocks.

Lister's Prolific (New.) Latest popular English sort. Pkt., 25c. Comet (Scarlet.) Sterling Castle (Scarlet), Sunrise (Scarlet), Hubert's Marvel (round like an apple), Frogmore Selected (Scarlet), Pkt., 15c each. Best of All and Lorillard (Two old standards), Pkt., 5c. New Globe, Chalk's Early Jewel and Bonny Best, American forcing varieties. Pkt., 10c.

# Vaughan's Mushroom Spawn

(LAMBERT'S PURE CULTURE)

Thousands of people are successfully raising delicious mushrooms in their basements, cellars and outbuildings. Write for free leaflet on culture. This vegetable is produced by planting Spawn. Our Spawn is always fresh; monthly shipments are received from our manufacturers.

The following strains produce fairly true to type:

No. 7. Brown. (Bohemia.) Very hardy and a good producer.
No. 8. Cream Columbia. Mammoth Strain. Hardy and prolific.
No. 9. White Alaska. Mammoth Strain. A most popular sort with growers for the market.

No. 5. Brown. Grows in clusters, is very prolific. No. 10. Light Brown. A good grower, fine flavor.

No. 11. Cream. Similar to No. 8, but slightly darker. No. 12. Cream Color. (Columbia.)

Price—Direct Bricks, inoculated direct from pure cultures. Weight, per brick, 144 lbs. Brick, 30c; 2 bricks, 55c: 5 bricks, \$1.00, postpaid 1st and 2nd zone. Not prepaid, 10 bricks, \$2.50; 25 bricks, \$4.75; 50 bricks, \$9.25; 100 bricks, \$18.00. Special prices on case lots.

ENGLISH SPAWN. A very superior strain to the old English Milltrack Spawn. We are one of the largest handlers in the United States; fresh importations every few weeks (weight per brick 1½ lb.). Price, brick, 25c; 2 bricks, 40c; 8 bricks, \$1.40; 25 lbs., \$3.25; 100 lbs., \$12.00; if shipped from New York, \$7.00. Special prices on half ton lots and up.



Ravisloe Country Club Golf Course-Vaughan's Grass Seeds used here.

We Invite Superintendents of Country and Golf Clubs to Write for Special Prices and Samples of Our Grass Seeds.

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# VAUGHAN'S GARDEN TOOLS AND REQUISITES

# PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

BULB PLANTER (see page 2). BULB BOWLS (see page 16). BULB DIBBER (see page 2).

FUMIGATORS, Eureka, galvanized. Used for burning tobacco stems in order to fumigate green-houses. No. 1, capacity ½pk., \$2.05; No. 2, capacity 1 pk., \$2.85; No. 3, capacity ½ bu., \$3.75; No. 4, capacity ¾ bu., \$4.25.

#### FERTILIZERS

BONE MEAL, Vaughan's "Rose Grower' Brand. Has been slightly steamed so that it can be ground fine, and is thus quicker n its action.
5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.55; 50 lbs., \$2.60; 100 lbs., \$4.25. (In New York, 50c higher per 100 lbs.) per 100 lbs.)

BONE MEAL, "Regular Grade." 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$3.60. (In New York 50c higher per 100 lbs.)

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., \$2.25: 500 lbs., \$9.00; 1,000 lbs., \$15.25; 2,000 lbs., \$30.00. (Prepaid to nearest railroad station if within twenty miles of Chicago.) In New York, 50c higher per 100 lbs.

NITRATE OF SODA or Chilli Saltpeter. Nitrate of Sodais not a substitute for other Manures, but we recommend it as the cheapest and best form in we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Sodain addition to other fertilizers. If your objectis to grow maximum crops you must furnish the plant with Nitrogen.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.25; 100 lbs., \$8.00; original sack (220 lbs.) \$15.50; 500 lbs., \$31.00. Write for prices on larger quantities.

white for prices on larger quantities.

SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six perts soil. 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.25; 50 lbs., \$1.85; 100 lbs., \$22.85; 500 lbs., \$12.00; 1000 lbs., \$20.50; ton, \$40.00. (25 lbs. and up prepaid to nearest railroad station if within twenty miles of Chicago.) F. O. B. New York, 100 lbs., \$3.25; 500 lbs., \$14.00.

VAUGHAN'S CONCENTRATED PLANT FOOD AUGHAN'S CONCENTRATED PLANT FOOD This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each; Large pkg., 30c each; mailing weight, small, 10 oz.; large 17 oz. Each package contains full

FIBER, for growing bulbs in., (see page 11).

"Illinois" Self-Watering FLOWER BOXES AND BASKETS Splendid for growing bulbs



Box has reservoir in bottom, which when filled with water will supply plants with moisture for ten days. Water being conveyed direct to the roots of plants leaves soil in a loose condition, ideal for plant growth. Sold in following Shapes and Sizes.

#### WINDOW ROYES

8-in. deep	, 9½-in. wide.,	except	No. 0, 6-in. x 6-in.
No. Lengt	th Price	No.	Length Price
0161	in\$1.00	6	33 in\$2.35
123 i	n 1.80		35 in 2.50
3 973	n 1.90 in 2.00		37 in 2 65
4 29 ;	n 2.00		39 n 2.80
531 i		10	41 in 3 00

### PORCH BOXES

9-in. deep, 12-in. wide.	8-in. deep, 12-in. wide.
No. Length Price	No Longth Price
21 3/ 1n \$3.25	24 49 in \$4.25
2345 in 4.00	. 25 53 in 4.50

Illinois Junior. Slightly lighter steel, otherwise same as above.

8 in. wide, 7 in. deep.	$ \begin{cases} 24 \text{ in. long.} & \$1.50 \\ 30 \text{ in. long.} & 1.75 \\ 36 \text{ in. long.} & 2.00 \end{cases} $
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#### HANGING BASKETS

No. Depth Square Price	No. Depth Square Price
00 m 8 m. S1.00	12 Sin 12in 61 50
107 in10 in 1.25	149 in14 in 1.75

GLASS CUTTER, DIAMOND. Each, \$5.00. GLASS CUTTER, RED DEVIL. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2½, double thick, for greenhouse and skylights. Price, per lb. (approximately 900), 70c, postage astro. postage extra. Siebert's Improved, 5% and 7%, price per lb., 60c.

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. Each, \$2.20; 3 for \$6.45; doz., \$25.50. Glazed, each, \$5.50; 3 for \$16.00; doz., \$63.00. For 8-inch glass, 4 rows each, \$2.35; 3 for \$16.75; doz., \$26.00. Glazed, each, \$5.25; 3 for \$15.50; doz., \$61.00.

HOTBED MATS.

Burlap. One side. Made of finest material. Size A -40 in. x 76 in., each, \$2.75; doz., \$31.00. Size B -76 in. x 76 in., each, \$4.35; doz., \$50.00.

# INSECTICIDES AND FUNGICIDES

Weights-By mail, ½ pt.1 lb.; pt. 2 lbs.; qrt., 3 lbs. APHINE. A new insecticide discovery that kills plant lice of every species. Effective indoors and plant lice of every species. Effective indoors and outdoors. Per ½ pint, 400; per pint, 65c; per quart, \$1.00; gallon, \$2.50.

BLACK LEAF 40. Highly recommended as a spray for soft-bodied sucking insects. Follow directions carefully. 1 oz., 25c; ½ lb., 75c; 2 lbs., \$2.50. (1 oz. makes from 5 to 10 gals. of spray).

WHALE OIL SOAP. An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. Per lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00.

FLOWERS OF SULPHUR. For mildew on roses, etc. Lb., 12c; 10 lbs., 85c; 25 lbs., \$2.00.

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. ½ pint, 30c; pint, 50c; quart, 90c; ½ gal., \$1.50; gal., \$2.50.

Suc; ½ gal., \$1.50; gal., \$2.50.

LIME-SULPHUR. The best remedy for San Jose scale. One gallen makes ten; one of the best Autumn sprays. Qt. can, 40c; 1 gal., \$1.00; 5 gal. can, \$4.00.

NIGO-FUME. Strips of paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet by 20 feet wide.

Price, 24 sheets, 85c; 144 sheets, \$4.00; 288 sheets, \$7.50.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent Nicotine. 1/4 Ib., 50c; 1 Ib., \$1.50; 4 Ibs., \$5.50; 8 Ibs., \$10.50.

1b., 50c;

NICOTICIDE. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 oz., 70c; ½ pt., \$1.25; pint, \$2.50; quart, \$4.50; ½ gal., \$8.25; gal., \$15.00.

Fumigator for above, 75c.

IKOTEEN Use segme as Missteid.

NIKOTEEN. Use same as Nicoticide. 2 oz., 40c; ½ pint, 85c; pint, \$1.50.

SULPHO TOBACCO SOAP. For greenfly on roses. 8 oz. box, 20c; by mail, 25c; 3 ozs., 10c; by mail, 12c.

TOBACCO STEMS. For fumigating. 5 lbs., 25c; 100 lbs., \$2.60.

TOBACCO DUST. One of the best remedies for green and black aphis, fleas, beetles, etc., also for insects in the ground. Lb., 10c; 5 lbs., 40c; 10 lbs., 65c; 100 lbs., \$4.50.

KNIVES. Propagating. Ivory handle. Each, \$1.75; by mail, \$1.80.
Propagating. "The Vaughan," best of all. Each, \$1.00; by mail, \$1.05.
Budding and Propagating. Two blades, ivory handle. Each, \$1.75; by mail, \$1.80. Pruning. Stag handle, English. Each, \$1.50; by mail, \$1.55. Imported Pruning. \$1.00; by mail, \$1.05.

LABELS, Wooden, for Pots. Per 100 1000 4 in., painted.....\$0.15 \$1.10 

LAWN SWEEPER

The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal wood and canvas, and lighter and less noisy than all metal. 24 in. cut. Each, \$22.00.



LEAF MOLD. Per bbl., \$3.50.

LEAF CART. A hand cart frame with a ight wood rack. Complete with truck. \$ PEAT. For potting Orchids, etc. Per bbl., \$3.50
Peat. For potting Azaleas. Per bbl., 3.50 PLANT TUBS—Columbian. Made of the best pine lumber. Has twelve staves in tapered shape, held together by two stee wires. Natural varnish finish. Measurements are outside of tub. F. O. B. Chicago only.

11	by 111/2	inches	. Each,	\$1.00:	4 for	\$3.80
14	Dy 13	inches	. Each,	1.50;	4 for	5.60
10%	by 18	inches	. Each.	2.00:	4 for	7.50
		inches	. Each,	2.50;	4 for	9.40
	Dy LI	inches	. Eacn,	3.00;	4 for	11.00

# TUBS-(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No. Each Four 1 6x 6 \$0.55 \$2.10 3 8x 8 .60 1.50 5 10x 9 .75 1.80 7 12x11 1.00 2.80	No.	Each	Four
	9 14x13	\$1.50	\$5.80
	11 16x15	1.90	7.20
	13 18x17	2.65	10.20
	14 19x18	3.15	12.20

If handles are required add 15c per tub. The first numeral is diam. at top; the second is

Japanese Wooden Plant Tubs. Outside measurements, 13½ in. high x 14½ in. wide. Inside measurements, 10½ in. high x 12½ in. wide. Finish natural, each, \$1.00.

PUTTY (Twemlow's Old English). Semi-To be used in same manner as Mastica. Price, per gal., \$2.50.

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.10. Mailing weight, 1 lb.

#### POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully, but will not be responsible for breakages in transit.

	100		Doz. 100
2 in \$0.20	\$1.00	\$ 7.50	6 in.\$0.90 \$6.50
$2\frac{1}{2}$ in25 $3$ in30	1.40		7 in. 1.50 10.00
4 in45	2.75	13.00	8 in. 1.90 14.00
5 in60	4.50		10 in., each, <b>40c.</b>

### BULB OR FERN PANS (RED)

(ILLD)	
8 in \$0.18 10 in40	Doz. \$1.90 4.00
	8 in \$0.18

SAUCERS.-Fibre, waterproof and unbreakable

Each Doz 5 in \$0.33 \$3.7 6 in 40 4.0 7 in 45 4.2 8 in 50 4.5	5 9 in \$0.55 0 10 in 60 12 in 65	5.50

POTTING SOIL. This mixture is prepared by us Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 35c; bu., \$1.00; bbl., \$2.00.

RAKES. Steel Bow Garden. Best, does not break in center; 12 teeth; 95c; 14 teeth, \$1.10; 16 teeth, \$1.20.

Garden. 12 teeth, 60c; 14 teeth, 70c; 16 teeth, 85c. LAWN RAKES



Automatic Self-Cleaning,
A backward motion of the teeth at once. Each, \$1.00.

Lawn Queen. Wire teeth, reversible head, 24 teeth; each, 55c; 36 teeth, each, 85c.

AWS. Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. Each, \$1.75; extra

SHEARS (Pruning)—Domestic,  $8\frac{1}{2}$  in. each, 75c. California style,  $8\frac{1}{2}$  in. each, \$1.50. Bright cast steel with coil spring, each, \$1.35.

SPRINKLERS. The Lenox. A splendid sprayer for in or outdoor plants, rose bushes, etc. Each, 50c; by mail, 55c; extra bulbs, 15c each.

Scollay's Rubber. Indispensable for floral work. Large, \$1.10; by mail, \$1.15; Medium, 80c; by mail, 85c. Small, 65c; by mail, 70c.

WATERING POTS. - American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$2.30; 6 quart, \$2.55; 8 quart, \$2.75; 10 quart, \$3.00; 12 quart, \$3.25;

French Style. Oval, otherwise same make as above; 6 quart, \$2.75; 8 quart, 3.15; 10 quart, \$3.40; 12 quart, 3.75.



LORELY - Immense flower. "Standards" pale

new Iris. "Standards" pale slaty-blue; "Falls" deep blue, with brownish violet veins, Flowers are immense Each, 75c; per doz. \$7.50.

JEANNE d' ARC—This delicately colored Iris is one of our best. "Standards" clear lilac; "Falls" almost pure white, bordered lilac. A lovely flower of large proportions. Each, 50c; per doz. \$5.50.

### SPECIAL PREPAID OFFER FOR ABOVE FIVE

No. 57A.—One strong plant of each (5 plants) \$2.00.

No. 57B .- Three strong plants of each (15 plants) \$5.50.

PALLIDA DALMATICA—A wonderful color and a wonderful flower, either in the garden or when cut. Blooms are large, of the purest lavender, and are borne four and five on a stem. Each, 30c, per doz. \$3.00.

KHARPUT. One of the best purple Irises. Very large flowers, the "Standards" and "Falls" being rich violet purple. Each, 25c; doz. \$2.50.

### SPECIAL PREPAID OFFER FOR ABOVE FIVE

No. 57C.—One strong plant of each (5 plants) for \$1.25.

No. 57D.—Three strong plants of each (15 plants) for \$3.25.

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Prepaid prices for those illustrated above. DR. BERNICE. CAPRICE STORMCLOUD. MONSIGNOR.

No. 58.—One strong plant of each (5 plants) \$2.00.

No. 58A.—Three strong plants of each (15 plants) \$5.50.

No. 58B.—Six strong plants of each (30 plants) \$10.00.

For complete collection of Hardy Iris See body of this Catalogue

GHAN'S D STORE NEW YORK

CHICAGO